



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY	
APPLICATION #:	OSP – 0552 – 10

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Distech Controls Inc.

Manufacturer's Technical Representative: Eric Swiney

Mailing Address: 4205 Place de Java, Brossard, Quebec, Canada J4Y 0C4

Telephone: 1 (302) 505-4210 Email: eswiney@distech-controls.com

Product Information

Product Name: Temperature Control Panels

Product Type: Control Panel

Product Model Number: See Certified Product Table attached
(List all unique product identification numbers and/or part numbers)

General Description: Temperature control panels consisting of controllers, transformers, power supply, relays, switches, and network connectivity parts.

Mounting Description: Rigidly wall mounted

Applicant Information

Applicant Company Name: Distech Controls Inc.

Contact Person: Eric Swiney

Mailing Address: 4205 Place de Java, Brossard, Quebec, Canada J4Y 0C4

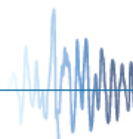
Telephone: 1 (302) 505-4210 Email: eswiney@distech-controls.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

Signature of Applicant:  Date: July 3rd 2018

Title: Product Manager Company Name: Distech Controls Inc.

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: Forell/Elsesser Engineers, Inc.

Name: Marco Scanu, SE California License Number: S4454

Mailing Address: 160 Pine St., 6th Flr., San Francisco, CA 94111

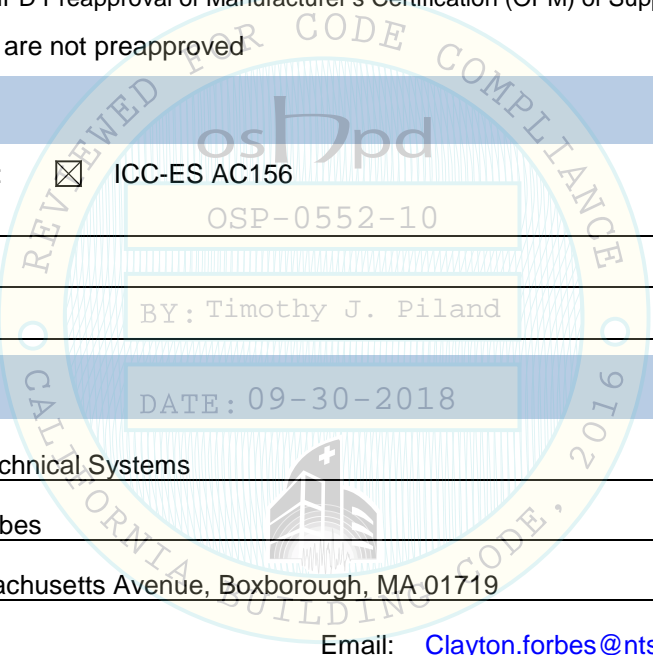
Telephone: (415) 837-0700 Email: m.scanu@forell.com

Supports and Attachments Preapproval

- Supports and attachments are preapproved under OPM- _____
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- Supports and attachments are not preapproved

Certification Method

- Testing in accordance with: ICC-ES AC156
- Other (Please Specify): _____



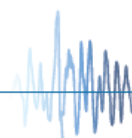
Testing Laboratory

Company Name: National Technical Systems

Contact Name: Clayton Forbes

Mailing Address: 1146 Massachusetts Avenue, Boxborough, MA 01719

Telephone: (978) 266-1001 Email: Clayton.forbes@nts.com





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Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: Yes No

Design Basis of Equipment or Components (F_p/W_p) = 1.56

S_{DS} (Design spectral response acceleration at short period, g) = 2.08

a_p (In-structure equipment or component amplification factor) = 2.5

R_p (Equipment or component response modification factor) = 6.0

Ω_0 (System overstrength factor) = 2

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = 1

Equipment or Component Natural Frequencies (Hz) = See attachment, UUT Summary Sheets

Overall dimensions and weight (or range thereof) = See attachment, Certified Products Table

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: Yes No

Design Basis of Equipment or Components (V/W) = _____

S_{DS} (Design spectral response acceleration at short period, g) = _____

S_{D1} (Design spectral response acceleration at 1 second period, g) = _____

R (Response modification coefficient) = _____

Ω_0 (System overstrength factor) = BY: Timothy J. Piland

C_d (Deflection amplification factor) = _____

I_p (Importance factor) = 1.5

Height to Center of Gravity above base = _____

Equipment or Component Natural Frequencies (Hz) = _____

Overall dimensions and weight (or range thereof) = _____

Tank(s) designed in accordance with ASME BPVC, 2015: Yes No

List of Attachments Supporting Special Seismic Certification

Test Report(s) Drawings Calculations Manufacturer's Catalog

Other(s) (Please Specify): Certified Products Table, Certified Subcomponents Table, UUT Summary Sheets

OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022

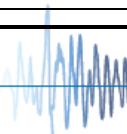
Signature:  Date: September 30, 2018

Print Name: Timothy J. Piland Title: SSE

Special Seismic Certification Valid Up to : S_{DS} (g) = 2.08 z/h = 1

Condition of Approval (if applicable): _____

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"



Distech Controls Inc. - Temperature Control Panels

I. Certified Product Table

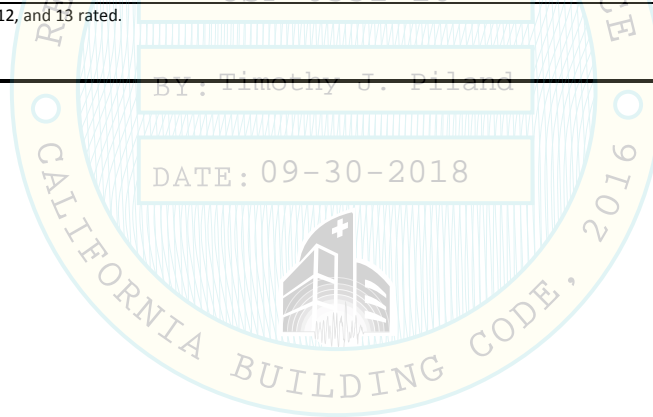
Unit	Width (in)	Depth (in)	Height (in)	Weight (lbs)	Construction Material ^{1,2}	Model Number	Notes	Test Status
Panel/Enclosures - Hammond Manufacturing								
1418 N4 Series	12.00	6.00	16.00	27.00	14 Gauge CFS	1418N4B6	3	Extrapolate
1419 N4 Series	16.00	6.00	16.00	34.00	14 Gauge CFS	1418N4G6	3	Extrapolate
1420 N4 Series	20.00	6.00	16.00	41.00	14 Gauge CFS	1418N4CR6	3	Extrapolate
1421 N4 Series	16.00	6.00	20.00	40.00	14 Gauge CFS	1418N4C6	3	Extrapolate
1422 N4 Series	20.00	6.00	20.00	40.00	14 Gauge CFS	1418N4D6	3	Extrapolate
1423 N4 Series	12.00	6.00	24.00	41.00	14 Gauge CFS	1418N4AR6	3	Extrapolate
1424 N4 Series	16.00	6.00	24.00	42.00	14 Gauge CFS	1418N4H6	3	Extrapolate
1425 N4 Series	20.00	6.00	24.00	56.00	14 Gauge CFS	1418N4E6	3	Extrapolate
1426 N4 Series	24.00	6.00	24.00	65.00	14 Gauge CFS	1418N4J6	3	Extrapolate
1427 N4 Series	20.00	6.00	30.00	70.00	14 Gauge CFS	1418N4F6	3	Extrapolate
1428 N4 Series	24.00	6.00	30.00	80.00	14 Gauge CFS	1418N4K6	3	Extrapolate
1429 N4 Series	24.00	6.00	36.00	91.00	14 Gauge CFS	1418N4L6	3	Extrapolate
1430 N4 Series	12.00	8.00	16.00	29.00	14 Gauge CFS	1418N4B8	3	Extrapolate
1431 N4 Series	16.00	8.00	20.00	44.00	14 Gauge CFS	1418N4C8	3	Extrapolate
1432 N4 Series	20.00	8.00	20.00	51.00	14 Gauge CFS	1418N4D8	3	Extrapolate
1433 N4 Series	24.00	8.00	20.00	55.00	14 Gauge CFS	1418N4ER8	3	Extrapolate
1434 N4 Series	20.00	8.00	24.00	60.00	14 Gauge CFS	1418N4E8	3	Extrapolate
1435 N4 Series	24.00	8.00	24.00	70.00	14 Gauge CFS	1418N4J8	3	Extrapolate
1436 N4 Series	30.00	8.00	24.00	74.00	14 Gauge CFS	1418N4KR8	3	Extrapolate
1437 N4 Series	20.00	8.00	30.00	79.00	14 Gauge CFS	1418N4F8	3	Extrapolate
1438 N4 Series	24.00	8.00	30.00	88.00	14 Gauge CFS	1418N4K8	3	Extrapolate
1439 N4 Series	30.00	8.00	30.00	106.00	14 Gauge CFS	1418N4KK8	3	Extrapolate
1440 N4 Series	24.00	8.00	36.00	101.00	14 Gauge CFS	1418N4L8	3	Extrapolate
1441 N4 Series	30.00	8.00	36.00	121.00	14 Gauge CFS	1418N4M8	3	UUT 1
1442 N4 Series	30.00	8.00	42.00	132.00	14 Gauge CFS	1418N4O8 ¹	3	Interpolate
1443 N4 Series	36.00	8.00	42.00	177.00	14 Gauge CFS	1418N4P8 ¹	3	Interpolate
1444 N4 Series	36.00	8.00	48.00	207.00	14 Gauge CFS	1418N4S8 ¹	3	UUT 2

Notes

1. All enclosures are NEMA 3R, 4, 12, and 13 rated.
2. CFS= cold-formed carbon steel
3. Wall mounted.

BY: Timothy J. Diland

DATE: 09-30-2018



Distech Controls Inc. - Temperature Control Panels

II. Certified Subcomponents Table

Internal Components	Manufacturer	Part #	Testing Status
Enclosures			
N4 Enclosure	Hammond Manufacturing	1418N4B6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4G6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4CR6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4C6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4D6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4AR6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4H6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4E6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4J6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4F6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4K6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4L6	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4B8	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4C8	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4D8	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4ER8	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4E8	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4J8	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4KR8	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4F8	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4K8	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4KK8	Extrapolate
N4 Enclosure	Hammond Manufacturing	1418N4L8	Extrapolate
N4 Enclosure - 36 x 30 x 8 - Steel/Gray	Hammond Manufacturing	1418N4M8	UUT 1
N4 Enclosure	Hammond Manufacturing	1418N4O8	Interpolate
N4 Enclosure	Hammond Manufacturing	1418N4P8	Interpolate
N4 Enclosure - 48 x 36 x 8 - Steel/Gray	Hammond Manufacturing	1418N4S8	UUT 2
ECLYPSE Controllers			
ECY-TU203 (IMP)	Distech Controls Inc	CDIY-TU203-IMP-00	UUT 1
ECY-TU203 (SI)	Distech Controls Inc	CDIY-TU203-SI-00	Interpolated
ECY-303 (IMP)	Distech Controls Inc	CDIY-303-IMP-01	UUT 1
ECY-303-M3 (IMP)	Distech Controls Inc	CDIY-303M3-IMP-01	Interpolated
ECY-303 (SI)	Distech Controls Inc	CDIY-303-SI-01	Interpolated
ECY-303-M3 (SI)	Distech Controls Inc	CDIY-303M3-SI-01	UUT 2
ECY-S1000-28	Distech Controls Inc	CDIY-S1028-00	UUT 2
ECY-S1000E-28	Distech Controls Inc	CDIY-S1028ENVY-00	Interpolated
ECY-S1000-28-MS	Distech Controls Inc	CDIY-S1028-MS-00	Interpolated
ECY-S1000E-28-MS	Distech Controls Inc	CDIY-S1028ENVY-MS-00	Interpolated
ECY-S1000-48	Distech Controls Inc	CDIY-S1048-00	Interpolated
ECY-S1000E-48	Distech Controls Inc	CDIY-S1048ENVY-00	Interpolated
ECY-S1000-48-MS	Distech Controls Inc	CDIY-S1048-MS-00	Interpolated
ECY-S1000E-48-MS	Distech Controls Inc	CDIY-S1048ENVY-MS-00	Interpolated
ECY-S1000	Distech Controls Inc	CDIY-S1000-00	Interpolated
ECY-S1000E	Distech Controls Inc	CDIY-S1000ENVY-00	UUT 2
ECY-8UI	Distech Controls Inc	CDIY-8UI-00	Interpolated

Internal Components	Manufacturer	Part #	Testing Status
ECLYPSE Controllers cont.d			
ECY-4UI4UO	Distech Controls Inc	CDIY-4UI4UO-00	Interpolated
ECY-4UI4UO-HOA	Distech Controls Inc	CDIY-4UI4UOHOA-00	Interpolated
ECY-8UI6UO	Distech Controls Inc	CDIY-8UI6UO-00	UUT 2
ECY-8UI6UO-HOA	Distech Controls Inc	CDIY-8UI6UOHOA-00	Interpolated
ECY-8UI6DOT	Distech Controls Inc	CDIY-8UI6DOT-00	Interpolated
ECY-8UI6DOT-HOA	Distech Controls Inc	CDIY-8UI6DOTHOA-00	UUT 2
ECY-16DI	Distech Controls Inc	CDIY-16DI-00	Interpolated
ECY-6UO	Distech Controls Inc	CDIY-6UO-00	Interpolated
ECY-6UO-HOA	Distech Controls Inc	CDIY-6UOHOA-00	Interpolated
ECY-8DOR	Distech Controls Inc	CDIY-8DOR-00	UUT 2
ECY-8DOR-HOA	Distech Controls Inc	CDIY-8DORHOA-00	UUT2
ECY-RS485	Distech Controls Inc	CDIY-RS485-00	UUT 2
ECY-PS24	Distech Controls Inc	CDIY-PS24-00	UUT 2
nLight ECLYPSE	Acuity Brands Inc	CACY-NLKIT24-00	UUT 2
nLight ECLYPSE	Acuity Brands Inc	CACY-NLKIT24BAC-00	Interpolated
nLight ECLYPSE	Acuity Brands Inc	CACY-NLKIT24ENBAC-00	Interpolated
nLight ECLYPSE	Acuity Brands Inc	CACY-NLKIT24ENBACSVEA-00	Interpolated
EC-BOS-8 Series	Tridium (Re-branded as Distech Controls)	CDIDI-BOS8USWIFI	UUT 1
NOTE:			
nLight ECLYPSE controllers are a rebranded Distech Controls set consisting of (1) ECY-S1000 variant, (1) ECY-RS485, and (1) Power Supply from the list below.			
Transformers			
20VA Transformer	Functional Devices	PW-TR20VA001	Interpolated
20VA Transformer	Functional Devices	PW-TR20VA002	Interpolated
20VA Transformer	Functional Devices	PW-TR20VA003	Interpolated
20VA Transformer	Functional Devices	PW-TR20VA004	Interpolated
20VA Transformer	Functional Devices	PW-TR20VA007	Interpolated
40VA Transformer	Functional Devices	PW-TR40VA001	Interpolated
40VA Transformer	Functional Devices	PW-TR40VA001US	Interpolated
40VA Transformer	Functional Devices	PW-TR40VA002	Interpolated
40VA Transformer	Functional Devices	PW-TR40VA002US	Interpolated
40VA Transformer	Functional Devices	PW-TR40VA003	Interpolated
40VA Transformer	Functional Devices	PW-TR40VA004	Interpolated
40VA Transformer	Functional Devices	PW-TR40VA013	Interpolated
40VA Transformer	Functional Devices	PW-TR40VA015	Interpolated
40VA Transformer	Functional Devices	PW-TR40VA022	Interpolated
40VA Transformer	Functional Devices	PW-TR40VA040	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA001	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA001US	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA002	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA003	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA004	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA005	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA006	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA007	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA008	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA009	UUT 2
50VA Transformer	Functional Devices	PW-TR50VA014	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA015	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA016	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA017	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA018	Interpolated
50VA Transformer	Functional Devices	PW-TR50VA019	Interpolated
75VA Transformer	Functional Devices	PW-TR75VA001	Interpolated
75VA Transformer	Functional Devices	PW-TR75VA002	Interpolated
75VA Transformer	Functional Devices	PW-TR75VA003	Interpolated
75VA Transformer	Functional Devices	PW-TR75VA004	Interpolated
75VA Transformer	Functional Devices	PW-TR75VA005	Interpolated
75VA Transformer	Functional Devices	PW-TR75VA007	Interpolated
100VA Transformer	Functional Devices	PW-TR100VA001	Interpolated
100VA Transformer	Functional Devices	PW-TR100VA002	Interpolated
100VA Transformer	Functional Devices	PW-TR100VA002-20	Interpolated
100VA Transformer	Functional Devices	PW-TR100VA004	Interpolated
100VA Transformer	Functional Devices	PW-TR100VA005	Interpolated
100VA Transformer	Functional Devices	PW-TR100VA008	Interpolated
100VA Transformer	Functional Devices	PW-TR100VA009	Interpolated
100VA Transformer	Functional Devices	PW-TR100VA015	Interpolated
150VA Transformer	Functional Devices	PW-TR150VA001	Interpolated
150VA Transformer	Functional Devices	PW-TR150VA002	UUT 1
150VA Transformer	Functional Devices	PW-TR150VA008	Interpolated

Internal Components	Manufacturer	Part #	Testing Status
Power Supply			
Panel Mount	Functional Devices	PW-PSB100AB10	UUT2
Panel Mount	Functional Devices	PW-PSB100AB10-IC	Interpolated
Panel Mount	Functional Devices	PW-PSB40AB10	UUT1
Panel Mount	Functional Devices	PW-PSB40AB10-IC	Interpolated
Enclosed	Functional Devices	PW-PSC100AB10	UUT 2
Enclosed	Functional Devices	PW-PSC100AB10-IC	Interpolated
Enclosed	Functional Devices	PW-PSC100AB10-TC	Interpolated
Enclosed	Functional Devices	PW-PSC40AB10	UUT 2
Enclosed	Functional Devices	PW-PSC40AB10-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100A-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A100A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A100A-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A40A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A75A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A100A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A75A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100AB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A100AB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A100AB10-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A40AB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A40AB10-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A75AB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A100AB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A75AB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100AN	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A100AN	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A40AN	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A75AN	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A100AN	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A75AN	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100ANB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A100ANB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A40ANB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A75ANB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A100ANB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A75ANB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100ANW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100ANW-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A100ANW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A40ANW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A75ANW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A100ANW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A75ANW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100ANWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A100ANWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A40ANWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A75ANWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A100ANWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A75ANWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100AW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A100AW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A40AW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A75AW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A100AW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A75AW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100AWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100AWB10-IC	Interpolated
Enclosed	Functional Devices	PW-PSH100A24DWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A100AWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A40AWB10	Interpolated

Internal Components	Manufacturer	Part #	Testing Status
Power Supply			
Enclosed UL Class II	Functional Devices	PW-PSH40A75AWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A100AWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A75AWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40A-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100AB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100AB10-EXT2	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100AB10-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40AB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40AB10-EXT2	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40AB10-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75AB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100AN	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40AN	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75AN	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100ANB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40ANB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75ANB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100ANW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40ANW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75ANW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100ANWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40ANWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75ANWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100AW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40AW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75AW	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100AWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH40AWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH75AWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100A100AB10-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH100AN-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH200A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH200A-LVC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH24DWB10	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH300A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH300A-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH300A-LVC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH500A	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH500A-IC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH500A-LVC	Interpolated
Enclosed UL Class II	Functional Devices	PW-PSH500AB10-LVC	Interpolated

Internal Components	Manufacturer	Part #	Testing Status
Relays			
Relay	Distech Controls	RE-12DC-SPDT	UUT 2
LED Module	Distech Controls	RE-PTML0024	UUT 2
Panel Mount Pilot Relay	Functional Devices Inc	RE-RIBMU2C	UUT 2
Compact Power Relays	IDEC	RE-RH1B-UAC24V	Interpolated
Compact Power Relays	IDEC	RE-RH1B-UDC24V	Interpolated
Compact Power Relays	IDEC	RE-RH1B-LAC24V	Interpolated
Compact Power Relays	IDEC	RE-RH1B-UAC120V	Interpolated
Compact Power Relays	IDEC	RE-RH2B-UAC24V	Interpolated
Compact Power Relays	IDEC	RE-RH2B-UDC24V	Interpolated
Compact Power Relays	IDEC	RE-RH2B-UAC120V	Interpolated
Compact Power Relays	IDEC	RE-RH2B-ULAC24V	UUT 2
Compact Power Relays	IDEC	RE-RH2B-ULDC24V	Interpolated
Compact Power Relays	IDEC	RE-RH2B-ULAC120V	Interpolated
Compact Power Relays	IDEC	RE-RH3B-UAC24V	UUT 2
Compact Power Relays	IDEC	RE-RH3B-UDC24V	Interpolated
Compact Power Relays	IDEC	RE-RH3B-UAC120V	Interpolated
Compact Power Relays	IDEC	RE-RH3B-ULAC24V	Interpolated
Compact Power Relays	IDEC	RE-RH3B-ULAC120V	Interpolated
Compact Power Relays	IDEC	RE-RH3B-ULCAC120V	Interpolated
Compact Power Relays	IDEC	RE-RH4B-UAC24V	Interpolated
Compact Power Relays	IDEC	RE-RH4B-ULAC24V	UUT 2
Compact Power Relays	IDEC	RE-RH4B-UAC120V	Interpolated
Relay Base	Distech Controls	RE-RT78724	UUT 1 & 2
Relay Base	IDEC	RE-SH1B-05	Interpolated
Relay Base	IDEC	RE-SH2B-05	Interpolated
Relay Base	IDEC	RE-SH3B-05	Interpolated
Relay Base	IDEC	RE-SH4B-05	Interpolated
Network Connectivity			
BAS Switch, 5 Port, Panel	Contemporary Controls	NC-EIBA5-100T	UUT 1
BAS Switch, 5 Port, DIN	Contemporary Controls	NC-EIBA5-100T/R	Interpolated
PnP Unmanaged Gig Switch, 5 Port	Contemporary Controls	NC-EISK5-GT	UUT 2
PnP Unmanaged Switch, 5 Port	Contemporary Controls	NC-EISK5-100T	Interpolated
PnP Unmanaged Gig Switch, 8 Port	Contemporary Controls	NC-EISK8-GT	Interpolated
PnP Unmanaged Switch, 8 Port	Contemporary Controls	NC-EISK8-100T	Interpolated
PnP Unmanaged Gig Switch, 8 Port (4PoE)	Contemporary Controls	NC-EISK8P-GT	Interpolated
PnP Unmanaged Switch, 16 Port	Contemporary Controls	NC-EISK16-100T	UUT 2
Diagnostic Switch, 5 Port	Contemporary Controls	NC-EISK5-100T/H	UUT 2
Diagnostic Gig Switch, 5 Port	Contemporary Controls	NC-EISK5-GT/H	Interpolated
Diagnostic Gig Switch, 8 Port	Contemporary Controls	NC-EISK8-GT/H	UUT 2

Distech Controls Inc. – Temperature Control Panels

III. UUT Summary Sheets

Test Report TR-PR067740 – UUT 1

Temperature Control Panel 1418N4M8

14 ga. Cold Formed Carbon Steel

30"W x 8"D x 36"H, 121 lbs

Wall mounted using: (4) - 3/8" Grade 5 Bolts



Building Code	Test Criteria	S _{Ds} (g)	z/h	I _p	Horizontal		Vertical	
					A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC 156	2.08	1.0	1.5	3.33	2.50	1.39	0.56
Natural Frequencies (Hz)			Test Results					
F-B	S-S	V	The UUT maintained structural integrity and functionality after the AC156 test. UUT full of contents during testing.					
n/a	n/a	n/a						

Subcomponents	Manufacturer	Part #
N4 Enclosure - 36 x 30 x 8 - Steel/Gray	Hammond Manufacturing	1418N4M8
ECY-TU203 (IMP)	Distech Controls Inc	CDIY-TU203-IMP-00
ECY-303 (IMP)	Distech Controls Inc	CDIY-303-IMP-01
EC-BOS-8 Series	Tridium (Re-branded as Distech Controls)	CDIDI-BOS8USWIFI
150VA Transformer	Functional Devices	PW-TR150VA002
Panel Mount	Functional Devices	PW-PSB40AB10
Relay Base	Distech Controls	RE-RT78724

Distech Controls Inc. – Temperature Control Panels

III. UUT Summary Sheets

Test Report TR-PR067740 – UUT 2

Temperature Control Panel 1418N4S8

14 ga. Cold Formed Carbon Steel

36"W x 8"D x 48"H, 207 lbs

Wall mounted using: (4) - 3/8" Grade 5 bolts



Building Code	Test Criteria	S _{DS} (g)	z/h	I _p	Horizontal		Vertical	
					A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2016	ICC-ES AC 156	2.08	1.0	1.5	3.33	2.50	1.39	0.56
Natural Frequencies (Hz)			Test Results					
F-B	S-S	V	The UUT maintained structural integrity and functionality after the AC156 test. UUT full of contents during testing.					
n/a	n/a	n/a						

Subcomponents	Manufacturer	Part #
N4 Enclosure - 48 x 36 x 8 - Steel/Gray	Hammond Manufacturing	1418N4S8
ECY-303-M3 (SI)	Distech Controls Inc	CDIY-303M3-SI-01
ECY-S1000-28	Distech Controls Inc	CDIY-S1028-00
ECY-S1000E	Distech Controls Inc	CDIY-S1000ENVY-00
ECY-8UI6UO	Distech Controls Inc	CDIY-8UI6UO-00
ECY-8UI6DOT-HOA	Distech Controls Inc	CDIY-8UI6DOTHOA-00
ECY-8DOR	Distech Controls Inc	CDIY-8DOR-00
ECY-8DOR-HOA	Distech Controls Inc	CDIY-8DORHOA-00
ECY-RS485	Distech Controls Inc	CDIY-RS485-00
ECY-PS24	Distech Controls Inc	CDIY-PS24-00
nLight ECLYPSE	Acuity Brands Inc	CACY-NLKIT24-00
50VA Transformer	Functional Devices	PW-TR50VA009
Panel Mount	Functional Devices	PW-PSB100AB10
Enclosed	Functional Devices	PW-PSC100AB10
Enclosed	Functional Devices	PW-PSC40AB10
Relay	Distech Controls	RE-12DC-SPDT
LED Module	Distech Controls	RE-PTML0024
Panel Mount Pilot Relay	Functional Devices Inc	RE-RIBMU2C
Compact Power Relays	IDEC	RE-RH2B-ULAC24V
Compact Power Relays	IDEC	RE-RH3B-UAC24V
Compact Power Relays	IDEC	RE-RH4B-ULAC24V
Relay Base	Distech Controls	RE-RT78724
PnP Unmanaged Gig Switch, 5 Port	Contemporary Controls	NC-EISK5-GT
PnP Unmanaged Switch, 16 Port	Contemporary Controls	NC-EISK16-100T
Diagnostic Switch, 5 Port	Contemporary Controls	NC-EISK5-100T/H
Diagnostic Gig Switch, 8 Port	Contemporary Controls	NC-EISK8-GT/H