



## nVent EN1853 Tooless Mounting Button Locations



# nVent EN1853 Tooless Mounting Button Locations Instruction Manual

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**nVent EN1853 Tooless Mounting Button Locations**



## Technical Specifications

- **Unit Type:** Metered
- **Orientation:** Outlet
- **Qty & Type:** Monitored Input Vertical, 0U Mid (30)C13/C15, (6)C13/C15/C19 200-240VAC
- **Input Voltage:** 200-240VAC
- **Input Current:** 30A (24A derated)
- **Breaker Qty & Type:** (3) 20AMP, double-pole, 5KA
- **Input Phase:** Three-phase, Wye(L21-30P)/Delta(L15-30P)
- **Rated Power:** 8.6 KVA

## Product Usage Instructions

### Installation

1. Ensure installation complies with all applicable national, state, and local codes.
2. Refer to the identification table for input cord length and other specifications.
3. Follow the detailed installation instructions in the quickstart guide.
4. Connect external earth ground to the provided threaded nut.

### Metering Attributes

The unit provides metering accuracy for voltage(V), current(A), apparent power(kVA), real power(kW), power factor, and energy(kWh).

### Metered Components

The metered components include input(phase) and circuit breakers.

### Environmental Conditions

- **Operating Temperature:** -5 to 60°C (23 to 140°F)
- **Storage Temperature:** -20 to 60°C (-4 to 140°F)

- **Humidity (Operating/Storage):** 5-90% RH / 5-95% RH; non-condensing
- **Max Operating Elevation, Above MSL:** 3000m (9840ft)

Frequently Asked Questions (FAQ)

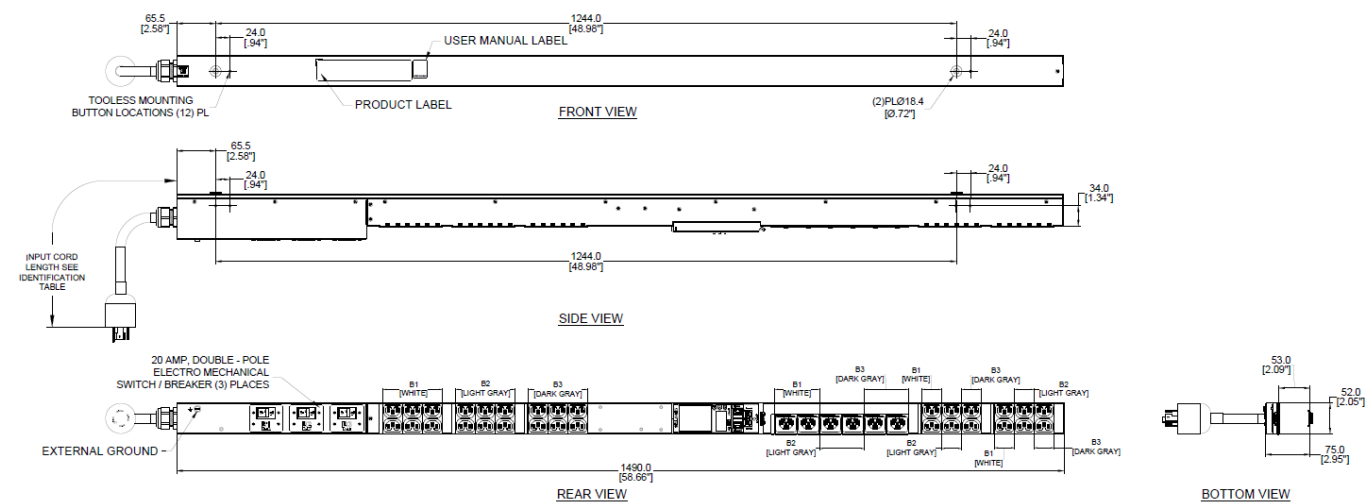
**Q: What is the input voltage range for this product?**

A: The input voltage range is 200-240VAC.

**Q: What is the maximum operating elevation above mean sea level?**

A: The maximum operating elevation is 3000 meters (9840 feet).

Instruction



TECHNICAL SPECIFICATIONS

UNIT TYPE:	MONITORED INPUT
ORIENTATION:	VERTICAL, 0U MID
OUTLET QTY & TYPE:	(30)C13/C15, (6)C13/C15/C19
INPUT VOLTAGE:	200-240VAC
INPUT CURRENT:	30A(24A DERATED)
BREAKER QTY & TYPE:	(3) 20AMP, DOUBLE-POLE, 5KA
INPUT PHASE:	THREE-PHASE, WYE(L21-30P)/DELTA(L15-30P)
RATED POWER:	8.6 KVA
INPUT PLUG:	SEE NOTE 7
INPUT POWER CORD:	SEE IDENTIFICATION TABLE
FEATURES	
METERING ACCURACY	+/-1% TO ISO/ IEC 62052-21
METERING ATTRIBUTES	VOLTAGE(V), CURRENT(A), APPARENT POWER(kVA), REAL POWER(kW), POWER FACTOR, ENERGY(kWh)
METERED COMPONENTS	INPUT(PHASE), CIRCUIT BREAKERS
REMOTE OUTLET SWITCHING	N/A
ENVIRONMENTAL CONDITIONS	
OPERATING TEMPERATURE	-5 TO 60 C (23 TO 140 F)
STORAGE TEMPERATURE	-20 TO 60 C (-4 TO 140 F)
HUMIDITY (OPERATING/STORAGE)	5-90% RH / 5-95% RH; NON-CONDENSING
MAX OPERATING ELEVATION, ABOVE MSL	3000M(9840FT)
COMPLIANCE	
SAFETY&ENVIRONMENTAL	RoHS COMPLIANT

IDENTIFICATION TABLE	EN1853-	*	*	*	*	HP
MODEL IS SHOWN IN DEFAULT CONFIGURATION. FOR OPTIONAL CONFIGURATIONS, USE ITEM IDENTIFIER CODE IN PLACE OF EACH ASTERISK. ORDERABLE BASED ON FORMAT: EN1853-***HP	INPUT PLUG (DEFAULT) NEMA L21-30P=0 L15-30P=S	CHASSIS COLOR (DEFAULT) BLACK = 0    BLUE = B RED = R    WHITE = W GREEN = G    YELLOW = Y	CORD OPTION (DEFAULT) 3m [10'] = 0 1m [3.2'] = 1 2m [6.6'] = 2	ORIENTATION (DEFAULT) TOP FEED = 0 BOTTOM FEED = 2		
OPTIONS LISTED ON THIS ROW ARE NON STANDARD, CONTACT SALES FOR ADDITIONAL INFORMATION		ORANGE = A	1.2m [4'] = G 1.8m [6'] = F			

NOTES:

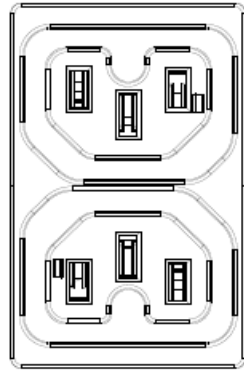
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. PRIMARY DIMENSIONS ARE IN MILLIMETERS. SECONDARY DIMENSIONS ARE IN [INCHES]
3. THE UNIVERSAL MOUNTING BRACKET IS AN ALTERNATIVE MOUNTING METHOD TO THE TOOLLESS MOUNT FOR 3RD PARTY ENCLOSURES.  
BRACKET IS PROVIDED WITH THE UNIT.
4. DETAILED INSTALLATION INSTRUCTIONS CAN BE FOUND IN THE QUICK START GUIDE
5. CONNECT EXTERNAL EARTH GROUND TO THE 10-32 SIZE THREADED NUT
6. SEE PRODUCT DOCUMENTATION FOR FURTHER INFORMATION
7. INPUT PLUG CONFIGURATION (SEE IDENTIFICATION TABLE) FOR DUALRATED UNITS, NEMA PLUGS ARE NAM RATED ONLY AND CAPTIVE AUS/NZ PLUGS ARE EMEA RATED ONLY

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF CIS GLOBAL AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM CIS GLOBAL. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE

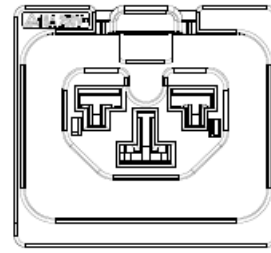
	E1	INITIAL DRAFT REVIEW		2023/05/24	FYZ		
ECN/ECO	REV.	DESCRIPTION		DATE	APPROVED		
REVISIONS							
TITLE :  Metered		UNLESS NOTED, DIMENSIONS ARE IN MILLIMETERS & TOLERANCES ARE:  X        ±1    MM        X°    ±1° X.X     ±0.5   MM     X.X°   ±0.5° X.XX    ±0.20 MM Ø X.X    ±0.3   MM Ø X.XX   ±0.10 MM  BRACKETED DIMENSIONS ARE IN INCHES FOR REFERENCE ONLY		PART NO.: EN1853-WXYZHP_DA		REV. E1	
				DRAWN BY:        FYZ		2023/05/24	
				ENGINEER:        LJB		2023/05/24	
				APPROVED BY: Hanson		2023/05/24	
PROJECT :  enLOGIC		THIRD ANGLE PROJECTION		SCALE : N/A		SHEET 1 OF 3	SIZE: A3
		INTERPRET PER ASME Y14.5M-1994					



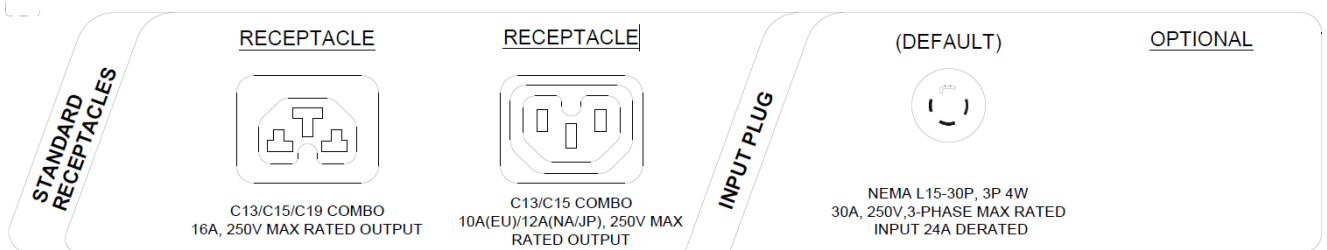
RECEPTACLE



**C13/C15 COMBO**  
10A(EU)/12A(NA/JP), 250V MAX  
RATED OUTPUT

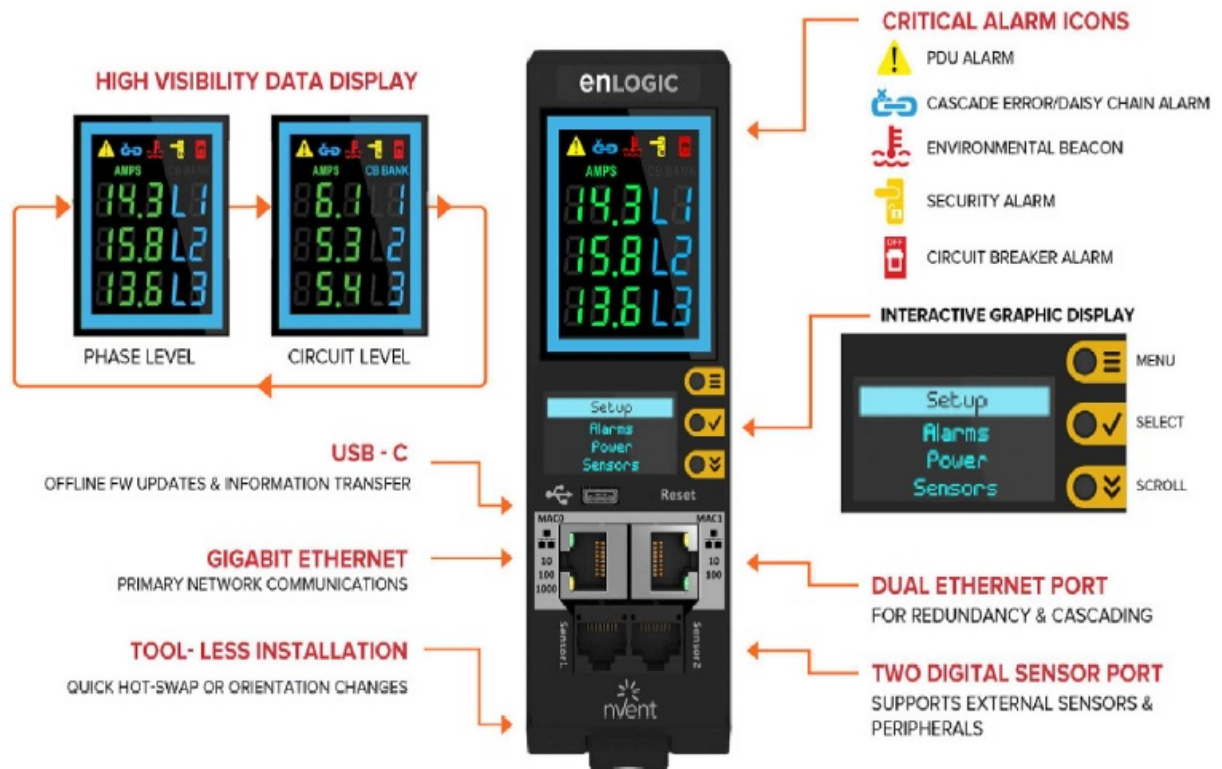


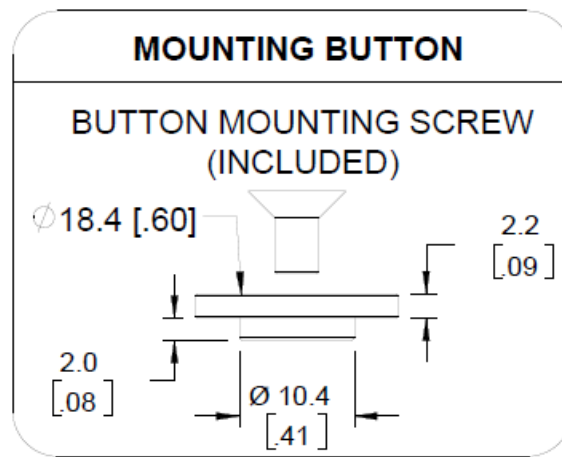
**C13/C15/C19 COMBO**  
16A, 250V MAX  
RATED OUTPUT



## NOTES :

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. SEE PRODUCT DOCUMENTATION FOR FURTHER INFORMATION





	E1	INITIAL DRAFT REVIEW				2023/05/24	FYZ		
ECN/ECO	REV.	DESCRIPTION				DATE	APPROVED		
REVISIONS									
TITLE :  Metered		UNLESS NOTED, DIMENSIONS ARE IN MILLIMETERS & TOLERANCES ARE: <div><div>X ±1 MM</div><div>X° ±1°</div><div>X.X ±0.5 MM</div><div>X.X° ±0.5°</div><div>X.XX ±0.20 MM</div><div>Ø X.X ±0.3 MM</div><div>Ø X.XX ±0.10 MM</div></div> BRACKETED DIMENSIONS ARE IN INCHES FOR REFERENCE ONLY				PART NO: EN1853-WXYZHP_DA		REV. E1	
						DRAWN BY: FYZ		2023/05/24	
						ENGINEER: LJB		2023/05/24	
						APPROVED BY: Hanson		2023/05/24	
						SCALE : N/A		SHEET 2 OF 3	
PROJECT :  enLOGIC		⊕ ⊞ THRID ANGLE PROJECTION				SIZE: A3			
		INTERPRET PER ASME Y14.5M-1994							

## NOTES:

### 1. INTERNAL WIRING

- WIRE TYPE: UL AWM 1015,10 & 12 & 18 AWG
- LINE 1/R/X COLOR: BLACK
- LINE 2/S/Y COLOR: ORANGE
- LINE 3/T/Z COLOR: RED
- EARTH GROUND COLOR: GREEN/YELLOW

### 2. FOR FINISHED GOOD PART NUMBER SEE IDENTIFICATION

## COMPLIANCE LABEL

