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SPECIFICATIONS

Electrical service to be monitored	Main Service: 200 - 600 Amp. Volts: 208, 240VAC or 120/208, 120/240VAC
Phase	
EVEMS240-HUB-XXX-1PH-6:	Single Phase
EVEMS240-HUB-XXX-3PH-6:	Three Phase (TBA)
Current	0.5 Amp
Model Numbers By Type	**EVEMS240-HUB-200-1PH-6 (3R)** for 200 Amp Main Electrical Service To Be Monitored **EVEMS240-HUB-400-1PH-6 (3R)** for 400 Amp Main Electrical Service To Be Monitored **EVEMS240-HUB-600-1PH-6 (3R)** for 600 Amp Main Electrical Service To Be Monitored
Voltage	5 VDC Class 2
Operation Ambient Temp	**NEMA 3R**: -22°F to 104°F (-30°C to 40°C)
NEMA 3R Dimensions*	L: 8 ¼" x W: 6 ½" x D: 4 ¼" – 5.5 lbs
End Device Current Range	12 - 48 Amps

Each of our devices are inspected and approved by Intertek a Nationally Recognized Testing Laboratory (NRTL) and equivalent to UL or CSA approval.

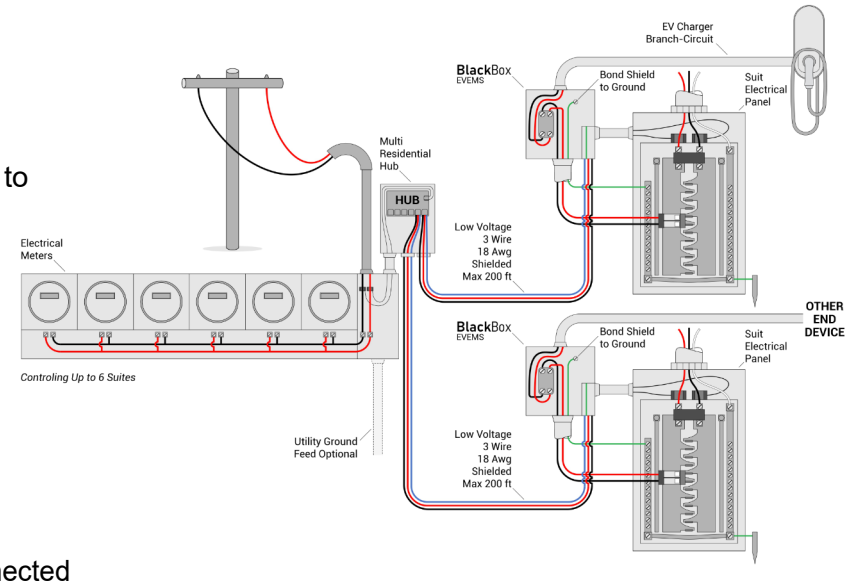
Our patented automatic load management Hub system or EV energy management Hub system (EVEMS / EMS) provides the ability to monitor the utility feed lines of a Multi-Residential building to ensure these lines do not overload. It uses intelligent equalization technology to ensure all suites of a multi-residential dwelling have equal access to power when an overload condition occurs and works seamlessly with the BlackBox EVEMS240 product line. This is an essential part of providing multistage electrical energy management to a Multi-Residential electrical structure thereby alleviating the need for a utility feed, electrical panel and/or service upgrade.

**Please see settings chart for installation options.*

KEY FEATURES:

- Protects main utility feed from overloading in Multi-Residential applications
- Intelligent algorithm operation with equalization technology ensures all suites have equal access to power
- Fast and easy to install
- Small size fits in tight areas around electrical utility connections (8 1/4" x 6 1/4" x 4 1/4").
- Longest charge times due to intelligent current monitoring
- No need to disconnect the main utility feed wires
- No power connection to main utility feed wires
- Real-time reading of the total current usage
- Auto-sensing the number of suite Black Boxes connected

INSTALLATION DIAGRAM



**This device does not need additional breakers to what is required to feed the 240-208VAC end device to be controlled. The service size and end device current is to be set by the installer. See installation manual. Designed and manufactured in Canada. Inspected and labeled by Intertek in Canada.*

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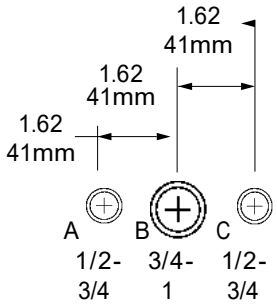
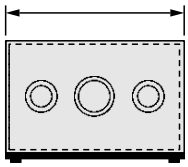
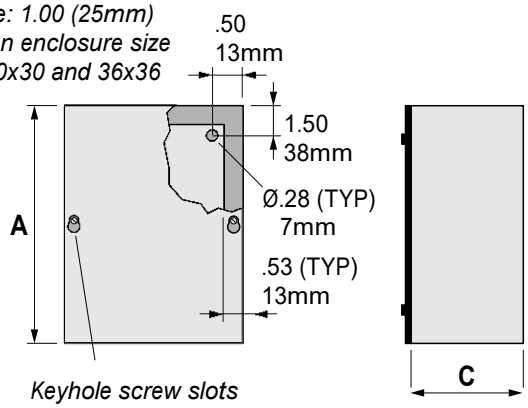
ENCLOSURE DIMENSIONS

	Inches	mm
A	8 1/4	209.55
B	6 1/4	158.75
C	4 1/4	107.95





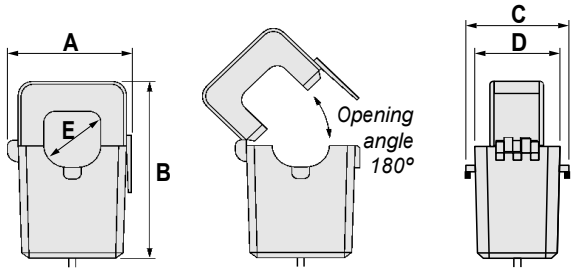
Note: 1.00 (25mm) when enclosure size is 30x30 and 36x36



CONDUIT SIZES
Knockout Pattern
(from outside of box)

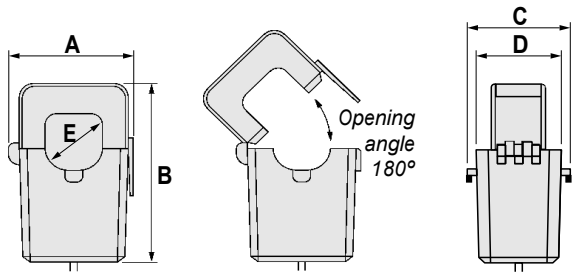
Keyhole screw slots round holes on enclosures where B>24.00 610mm

	Inches	mm
A	2.09	53
B	2.95	75
C	1.63	41.4
D	1.35	34.2
E	0.94	24



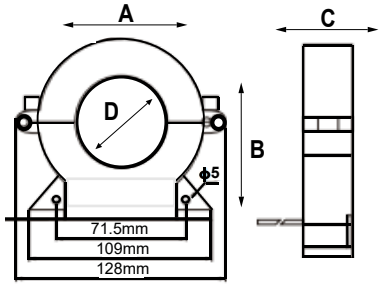
Model EVEMS240-HUB-400-1PH-6 DIMENSIONS *

	Inches	mm
A	2.60	66.04
B	3.64	92.50
C	1.91	48.50
D	1.61	41
E	1.41	36



Model EVEMS240-HUB-600-1PH-6 DIMENSIONS *

	Inches	mm
A	5.0	128
B	4.30	107
C	1.0	25.4
D	1.81	46



Lead length 20 feet or 6 meters

* All measurements approximate

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INCLUDED

- Multi-Residential Hub System & Enclosure
- Split Core Current Monitoring Devices (CT)
- Installation Manual
- Device Controlled Label x6

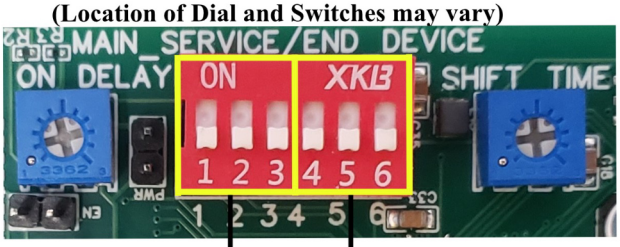
MODEL NAMING CONVENTION:

EVEMS240-HUB-XXX-XXX-X

Series	Type	Utility Feed Size	Phase	Suites to Accomodate
		-200 A -400 A -600 A	-1PH -3PH	

EVEMS240-HUB-XXX-XXX-6

Red LED: Power / Green LED: Output ON/OFF
White/Blue Dial Time Setting 0-15 min
(Location of Dial and Switches may vary)



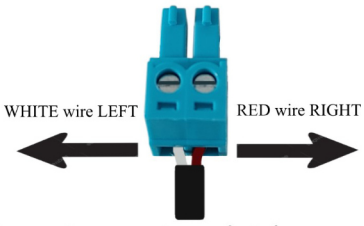
	Utility Feed / Main Service Current Rating	DIP Switch 1	DIP Switch 2	DIP Switch 3
	200	OFF	OFF	OFF
	400	OFF	OFF	ON
	600	OFF	ON	OFF
*	800	OFF	ON	ON
*	1200	ON	OFF	OFF
*	1600	ON	OFF	ON
*	1800	ON	ON	OFF
*	2000	ON	ON	ON

	End Devices Being Controlled Max Current	DIP Switch 4	DIP Switch 5	DIP Switch 6
	12	OFF	OFF	OFF
	18	OFF	OFF	ON
	24	OFF	ON	OFF
	32	OFF	ON	ON
	40	ON	OFF	OFF
	48	ON	OFF	ON
*	60	ON	ON	OFF
*	80	ON	ON	ON

The threshold will be 80% of the main service current rating
*Future availability

All settings are applicable for EV chargers or other loads that tolerate switching the power off when required. When using other loads that are not referred to in this chart use the next higher current setting than the device's current rating.

SCAN HERE FOR INSTALLATION MANUAL
&
MAINTENANCE SUPPORT



Always be sure to maintain current monitoring device's wire polarity.

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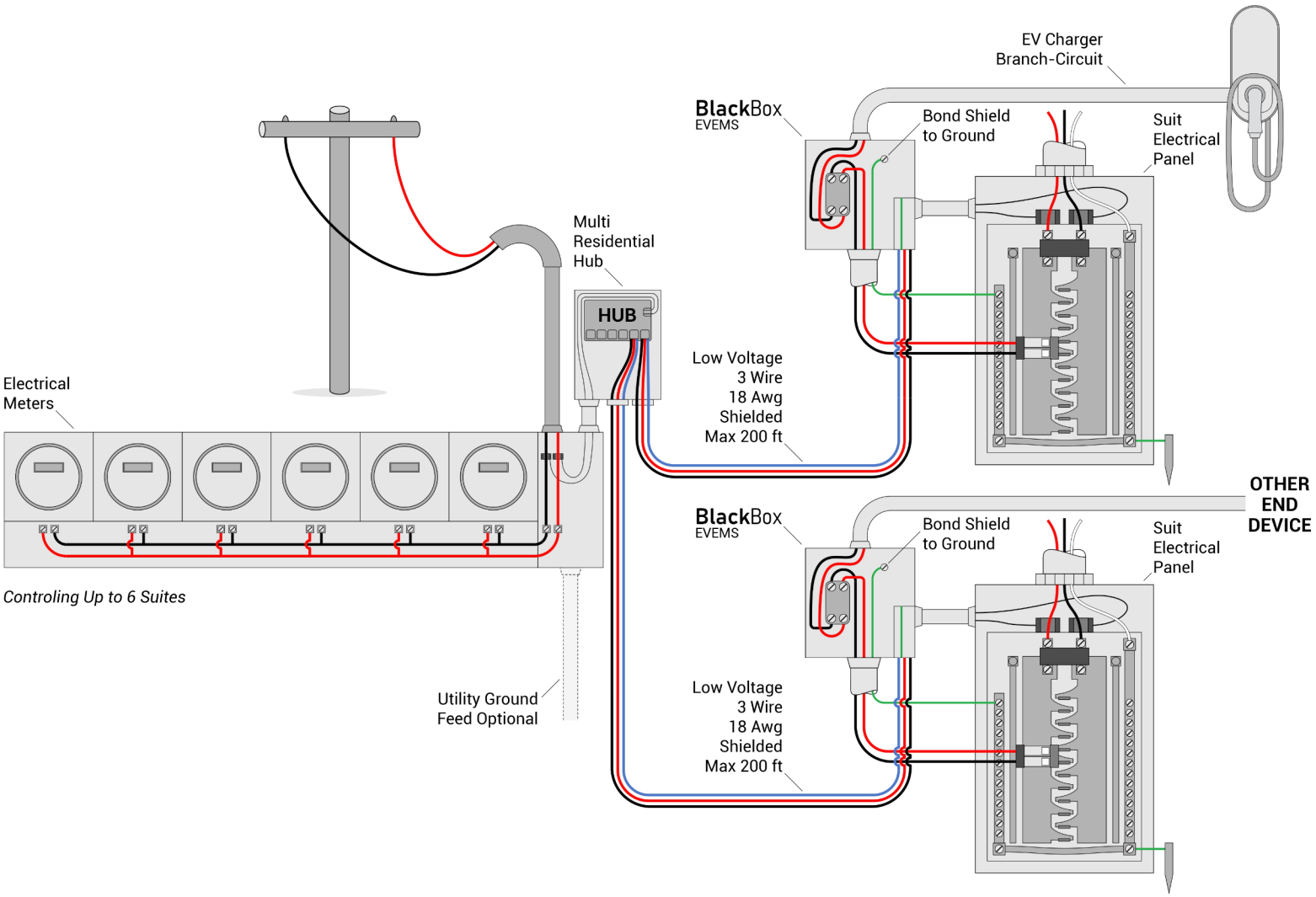
Installation Diagram



Utility provider may need to provide access to metering equippment. All safety precautions required must be planned for and executed prior to installation.

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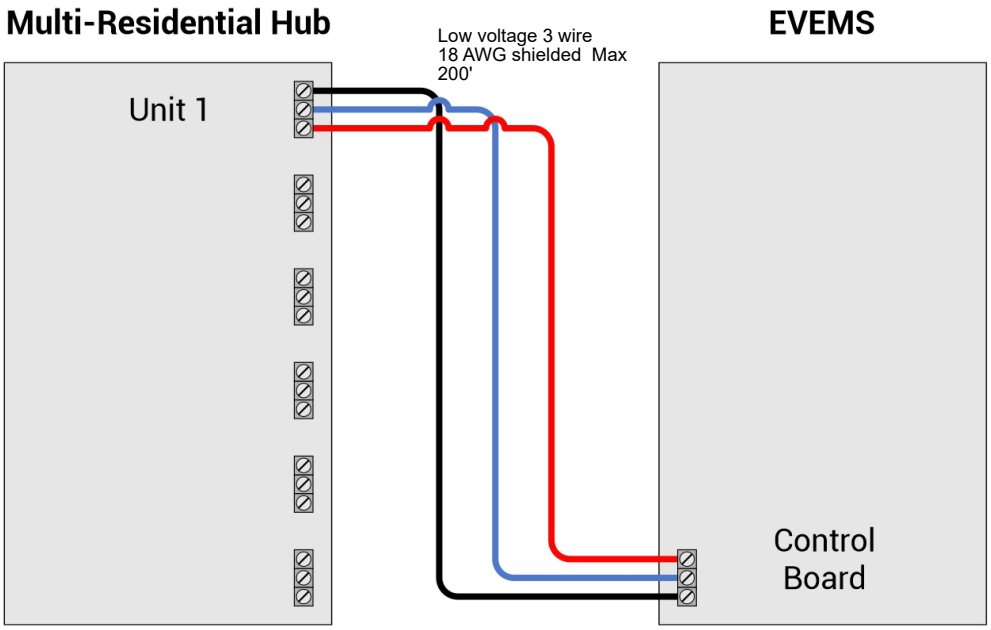
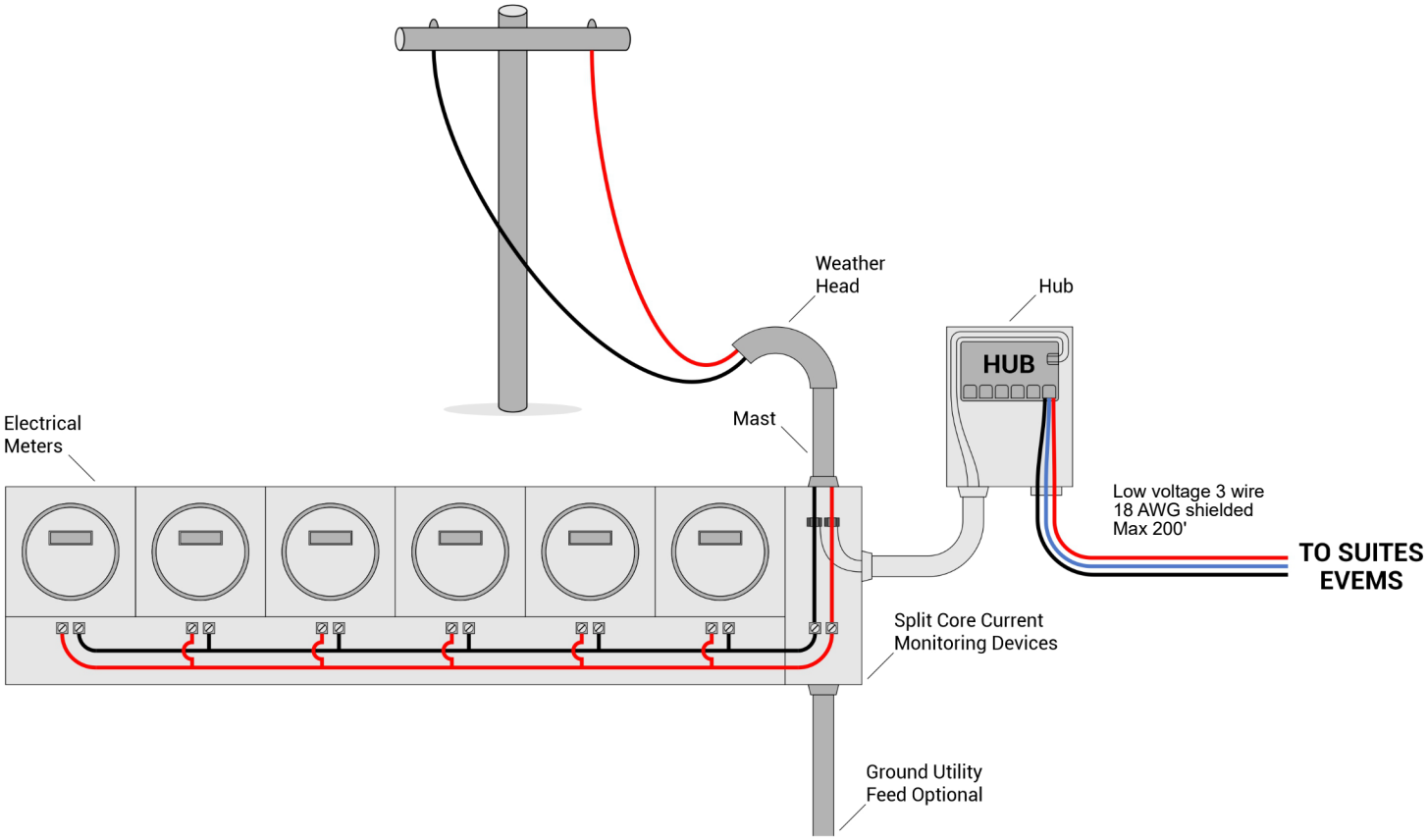
MULTI-RESIDENTIAL HUB TO BLACK BOX EVEMS



Incorrect wire orientation will cause system not to function, and could cause damage to the energy management installation.

MULTI-RESIDENTIAL HUB TO MULTI-METER



Utility provider may need to provide access to metering equippment. All safety precautions required must be planned for and executed prior to installation.

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