



Heat Trace Controller Comparison

	Frio S1-B	HWAT-ECO
Voltage	120-277 VAC 50/60 Hz.	120 or 208-277 VAC 50/60 Hz.
Current	30 A	30 A
Relay Type	Double-pole Mechanical	Double-pole Mechanical
Enclosure	NEMA 4X	TYPE 12 – indoor use only
Dimensions	6.29in x 7.55in x 3.625 in	8.26in x 4.33in 3.34in
Operating Temperature	-30 °C to 60 °C	0 °C to 40 °C
RTD Input	-	-
Thermistor Input	Frio Thermistor Included (10k NTC)	2k Thermistor
Local Communications	-	-
BACnet Connectivity	-	-
Wi-Fi Connectivity	802.11 Dual Band 2.4 GHz & 5 GHz	-
Ethernet Connectivity	Ethernet (RJ45, Cat 5 or 6)	-
GFEP Test	Yes	Yes
GFEP Trip Level	Adjustable 30-300 mA	30 mA
Alarm Output	Dry Contact	Dry Contact
GFEP Alarm	Yes	Yes
Sensor Failure Alarm	Yes	Yes
Low Temperature Alarm	Yes	-
High Temperature Alarm	Yes	Yes
Low Current Alarm	Yes	-
High Current Alarm	Yes	-
Power Loss Alarm	Yes	Yes
Network Loss Alarm	Yes	-
Heater On LED	Yes	Yes
Alarm LED	Yes	Yes
Status LED	Yes	-
Ambient Control	Yes	-
Pipe Sensing Control	Yes	Yes
Scheduler Feature	Yes	Yes
Cloud Platform Compatible	Yes	-
Mobile Device Compatible	Yes	-
Cloud-Based Monitoring	Yes	-
Cloud-Based Control	Yes	-
Hybrid Cloud Control	Yes	-
Spot Check Verification	Yes	-
Automatic Installation Report	Yes	-
SMS Notifications	Yes	-
Email Notifications	Yes	-
Remote Test/Reset	Yes	-
Remote Override	Yes	-
Remote Settings Configuration	Yes	-
Remote Device Management	Yes	-