Honeywell

CIPer MODEL 10 CONTROLLER

GENERAL

Honeywell CIPer Model 10 is an IP-based field equipment controller powered by the Niagara Framework®. CIPer Model 10 controllers drive applications such as zone temperature control, and the operation of fan coil units, single- stage air handling units, water-source heat pumps and more. CIPer Model 10 controllers run the full Niagara stack, with 10 points of on-board IO and IO-R-34 expansion capability. CIPer Model 10 licensing supports three devices and 50 total points.

SPECIFICATIONS

Niagara 4 — Requires WEBs-N4.7 or later

HARDWARE

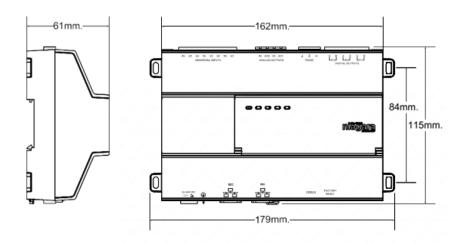| |
|---|
| NXP iMX6 SoloX2: 800 MHz ARM Cortex-A9/M4 |
| 512 MB DDR SDRAM |
| 2GB total eMMC flash storage with user space set at 1GB |
| Powered from 24VAC/DC source |
| 5 Universal inputs: Type 3 (10K) thermistors, 0-100K ohm, 0-10VDC, 0-20mA with external resistor, Dry Contact |
| 2 Analog outputs: 0-10VDC, 4mA max output current |
| 3 Digital outputs: Triac, 24VAC @.5 amp |
| 2 10/100MB Ethernet ports capable of daisy chaining |
| 1 RS-485 serial port |
| Real-time clock |
| Secure boot |

FEATURES

• CIPer Model 10 controllers can be daisy chained to continue network connectivity and eliminate the need for separate wiring back to a switch

• Connect CIPer Model 10 controllers to your main building or IT network and manage them directly with a Supervisor alongside of a WEB-800X

• Use the secondary Ethernet port of the WEB-800X to create a private network of CIPer Model 10 controllers

MOUNTING

Support mounting on EN50022 standard
7.5mm x 35mm DIN rail or panel mounting.

AGENCY CERTIFICATIONS

- FCC Part 15, class b
- C-UL
- CE
- UL916, Open Energy Management Class 2
- RoHS2
- REACH
- WEEE
- CAN/CSA-C22.2 No. 205-12

EXPANDABILITY

One (1) IO-R-34 connected over a shielded 485 bus

CONNECTIVITY

When data from external sources i.e. thermostats, variable speed drives, or smart sensors — is required to drive an application, the CIPer Model 10 allows for connections to those types of external sources using BACNet/IP, Modbus, and SNMP over an IP network and/or BACnet and Modbus over a 485 network.

ENVIRONMENTAL SPECIFICATIONS

Operating temperature:

-20 to 60°C (-4 to 140°F)

Storage temperature:

-40 to 85°C (-40 to 185°F)

Humidity: 5-95% non-condensing

Shipping & vibration: ASTM D4169, Assurance Level II

MTBF: 10 years

ORDERING INFORMATION

Part number	Description
EDGE-10	CIPer Model 10 controller with 10 points of onboard IO, 1 RS-485 serial port, and 2 10/100 Ethernet ports. Supports 1 IO-R-34. Includes WEBs-N4 and drivers for BACnet, Modbus and SNMP. Supports up to 3 devices or 50 points. Includes all software updates released for commercial use by Honeywell for the life of N4, but not for any later versions.

The CIPer Model 10 controller is available through a wide variety of original equipment manufacturers. Our open distribution business model and open protocol support allow a vendor-neutral application compatible with devices and systems throughout the world.