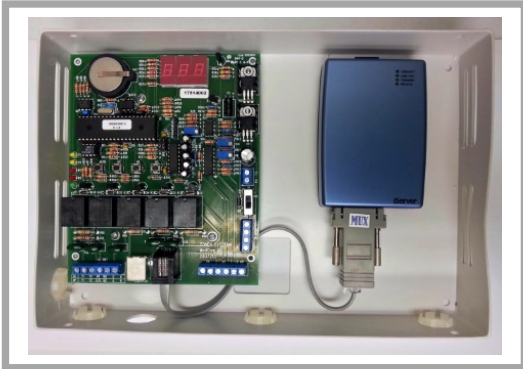


# MODTCIP COMMAND CENTER WITH TCIP

## SUBMITTAL



## MODTCIP ModCom Command Center Communicating Controller With TCIP Network Device

### DESCRIPTION

The Zonex Systems **MODTCIP** Communications Package includes the ModCom command center and the TCIP Network Device. The command center is a microprocessor based, digital communicating controller for the ModCom control system. The TCIP Network Device allows access to the ModCom control system via Ethernet or Internet connection. The TCIP Network Device allows a workstation computer on a local network, or remote connection via the Internet, to connect to the system. Through the ModCom software and the TCIP device, temperature Trend Logging and Alarming are provided for all thermostats on the system.

Included in the MODTCIP communications package are cables, Supply, Return and Outside air sensors, TCIP set-up and configuration software, and ModCom system operating software.

The MODTCIP will communicate with 20 communicating devices, which include: ModStat, DIGICOM, DIGIHP thermostats, and the RLYCOM communicating relay module. The communications between the command center and all communicating devices are through the RS-485 twisted pair or shielded twisted pair wire. The twisted pair wire is daisy chained to each communicating device.

The ModStat thermostats control fully modulating power open, power close medium pressure and heavy duty dampers for commercial applications. The DIGICOM and DIGIHP thermostats control stand alone GE or Heat Pump units with no zoning. The RLYCOM relay modules are used to control building lighting, blowers, or other generic loads for Occupied and Unoccupied (ON-OFF) schedules.

The **MODCIP** can be added as a second command center to control a second HVAC system with up to 20 more communicating devices. The MODCIP is a command center with TCIP network device only to expand remote capabilities to an additional zoned unit in the system. No software is required for the second zoned system, as the software, which is shipped with the MODTCIP, is fully copyable and unlicensed.

### TECHNICAL DATA

#### **Package Includes:**

- Command Center
- TCIP network device with power supply
- Cables and serial adapter
- Configuration and program CDs
- SA, RA & Outside air sensors (LAT)

#### **Computer Requirements:**

- Microsoft Windows 7, XP, Vista

#### **Electrical:**

##### **Supply Voltage**

**Command Center:** 24vac (dedicated transformer – field supplied)

**TCIP:** 9vdc plug-in power supply (included)

##### Inputs:

- 5vdc analog air temperature sensors (LAT)
- RS-485 communications link
  - Belden 8740 (TWPR) twisted pair
  - Belden 8450 (SHTP) shielded twisted pair
- RS-232 computer communications

Outputs: 5 – relay, 24vac @2A

#### **Environmental:**

**Operating temperature:** 25° to 125°F (0° to 71° C)

**Operating Humidity:** 5-95% non-condensing

#### **Enclosure dimensions:**

NEMA 1

7 ¼"H x 10 7/8" W x 3" D

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