XT compact combination starter BACnet MS/TP field-installation kit

General description

The *XT* compact combination starter is a UL® 508A Type F combination starter consisting of a contactor and a manual motor protector (MMP). Standard features include a control power transformer (CPT), Hand-Off-Auto selector switch, red RUN pilot light, I/O terminal blocks, and BACnet MS/TP module. For standard product instructions, please refer to the *XT* compact combination starter instruction leaflet, PUB53892.

24 V BACnet communications can be added to a standard unit by ordering a field-installable kit. Two separate kits are available—one for 120 V control power (ECKIT-BAC120) and one for 24 V control power (ECKIT-BAC24).

BACnet communication settings

For BACnet communication settings, please refer to the *XT* compact combination starter with BACnet MS/TP instruction leaflet, PUB53897.

ECKIT-BAC120 field kit

Installation and mounting

Remove the end stop from the left side of the terminal blocks. Mount the BACnet module on the DIN rail next to the terminal blocks, mount the power supply next to the BACnet module, and then mount the end stop to the left of the power supply.

Wiring instructions

Step-by-step instructions for wiring the field kit into the existing unit are provided below. Reference **Figure 1** for the connections made in each step.

Step 1: Rewire the red RUN pilot light to the contactor coil at "A1" and "A2".

Step 2: Rewire the contactor NO auxiliary contact to BACnet module inputs "I1" and "C1".

Step 3: Connect wire from terminal block "3" to BACnet module output "11".

Step 4: Connect wire from terminal block "5" to BACnet module output "14".

Step 5: Connect "1" and "X2" to the power supply connections "L" and "N", respectively.

Step 6: Connect "+" and "-" from the power supply to BACnet supply connections "A1" and "A2", respectively.
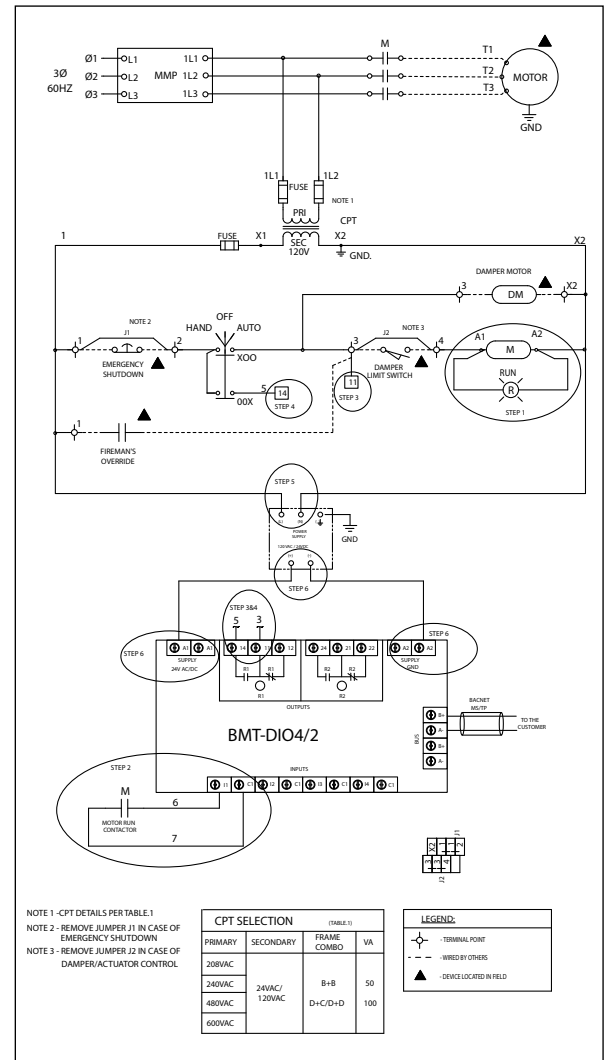
Wiring schematic

Figure 1. Field installation of ECKIT-BAC120 on 120 V standard unit

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ECKIT-BAC24 field kit

Installation and mounting

Remove the end stop from the left side of the terminal blocks. Mount the BACnet module on the DIN rail next to the terminal blocks and then mount the end stop to the left of the BACnet module.

Wiring instructions

Step-by-step instructions for wiring the field kit into the existing unit are provided below. Reference **Figure 2** for the connections made in each step.

Step 1: Rewire the red RUN pilot light to the contactor coil at "A1" and "A2".

Step 2: Rewire the contactor NO auxiliary contact to BACnet module inputs "I1" and "C1".

Step 3: Connect wire from terminal block "3" to BACnet module output "11".

Step 4: Connect wire from terminal block "5" to BACnet module output "14".

Step 5: Connect "1" and "X2" to the BACnet supply connections "A1" and "A2", respectively.
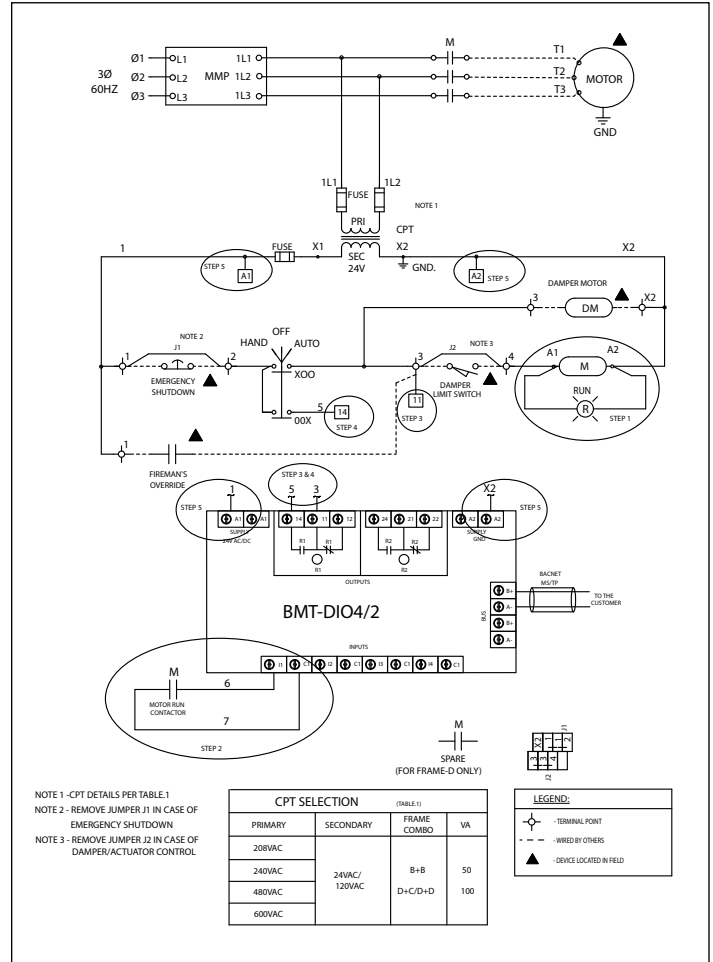
Wiring schematic

Figure 2. Field installation of ECKIT-BAC24 on 24 V standard unit

For more information and product support:
Eaton.com/xtcompact
877-386-2273, option 2 and then option 1
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