MCOT Wye Delta (Open) Transfer Switch Fire Pump Controller

Notes:
1) Deluge Valve (maintained) contact(s) & Remote Start (momentary) contact(s) OPEN to start pump.
2) Lockout contact(s) CLOSE to lockout pump.
3) Power Failure Alarm (PAR) & Genset Start (GSR) contacts shown in Alarm or Starting Status. All others shown Normal.

Controller suitable for use as service equipment.

Grounded Service Conductor

Grounding Electrode Conductor

Master Transfer Switch
Fire Pump Controller

TB1B

17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34

10 SYSTEM TB1B
10 PUMP DEMAND OR LOW ZONE START CIRCUIT
10 TRANSFER SW NORMAL REMOTE ALARM
10 TRANSFER SW EMERGENCY C.B. OPEN REMOTE ALARM
10 GENSET START CIRCUIT (NOTE 3)

* Contacts CLOSE to ALARM 0 Contacts OPEN to ALARM
Alarm contact rating (Resistive): 2 Amps @ 30VDC, 1 Amp @ 125 VAC

TB1A

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

D.C. REMOTE START CIRCUIT
REMOTE CONTACT (NOTE 1)
LOCKOUT CONTACT (NOTE 2)

WRA

UL
LISTED
FM
APPROVED

Typical Wye-Delta Motor Controller Connections (for NEMA Motor Designations)

12 Lead Motor-Series
Dual Voltage Motor
-Higher Voltage-

12 Lead Motor-Parallel
Dual Voltage Motor
-Lower Voltage-
-OR-
Single Voltage Motor
-OR-
8 Lead Motor

For 12 Lead (Series) Motor
 Tie together Motor Leads T4-T7, T5-T8, T6-19

For 12 Lead (Parallel) Motor
 Tie together Motor Leads T1-T7, T2-T8, T3-19
T8-T12, T4-T10, T5-T11

Model MCOT External Wiring Diagram - G4

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