ECVST Variable Speed 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 State. All others shown Normal.

Controller Suitable for Use As Service Equipment

To Normal 3 Ø A.C. Source
To Emergency 3 Ø A.C. Source
(Sequence ABC)
(Sequence ABC)

MASTER Transfer Switch Fire Pump Controller

TB1B
- STR
- PDR
- XSN
- XSE
- ECD
- GSR

- L0
- L1
- L2
- L3

- System TRIP Remote Alarm
- Pump Demand or Low Zone Start Circuit
- Transfer Trip Normal Remote Alarm
- Transfer Trip Emerg. C.B. Open Remote Alarm
- Genset Start Circuit (Note 3)

- Contacts CLOSE to ALARM
- 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

- O.D.C.
- (Note 1)
- Remote Start
- (Note 1)
- Lockout Contact
- (Note 2)

- MRR
- MRR
- MRR
- PAR
- SRR

- Pump Running Remote Alarm
- Pump Running Remote Alarm
- AC Power Fail Remote Alarm
- Phase Sequence Remote Alarm
- To 1 Ø A.C. Supervisory Power Source

Main Contactor No. 8P

Motor

UL
FM

LISTED
APPROVED

Master Control Systems Inc.
LAKE BLUFF, ILLINOIS U.S.A.

MODEL ECVST EXTERNAL WIRING DIAGRAM
SOFT START BYPASS - G4

Date 10 Jan 2014
Drawing 21137 Issue 2