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 (PFR) & Genset Start (GSR) contacts shown in Alarm or Starting State. All others shown Normal.

CONTROLLER SUITABLE FOR USE AS SERVICE EQUIPMENT

GROUNDING
SERVICE
CONDUCTOR
GROUNDING
ELECTRODE
CONDUCTOR

3Ø A.C. Source
SEQUENCE ABC

3Ø A.C. Source
SEQUENCE ABC

NORMAL ISOLATING SWITCH

EMERGENCY ISOLATING SWITCH

MASTER Transfer Switch
Fire Pump Controller

TB1B

L1
L2
L3

IS-N
IS-E

L1
L2
L3

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

TB1A

O.T.C.
(REMOTE START
(Note 1))

REMOTE START
(Note 1)

LOCKOUT CONTACT
(Note 2)

PUMP RUNNING
REMOTE ALARM

PUMP RUNNING
REMOTE ALARM

AC POWER FAIL
REMOTE ALARM

PHASE SEQUENCE
REMOTE ALARM

TO 3Ø A.C.
SUPERVISORY
POWER SOURCE

M

MAIN CONTACOR
No. 1

SPORT/SPORT
(MOTOR)

UL

FM

LISTED

APPROVED

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

MODEL MCST EXTERNAL WIRING DIAGRAM - G4

Date 10 Jan 2014
Drawing 20117 Issue 2