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) contacts shown
   In Alarm State. All others shown Normal.

Controller suitable for
Use as Service Equipment

GROUNDED SERVICE
CONDUCTOR
GROUNDING ELECTRICAL
CONDUCTOR

To 3 Ø A.C.
Source
(SEQUENCE ABC)

I.S.
ISOLATING
SWITCH

MASTER Electric
Fire Pump Controller

TB1B

TB1A

System TBar
Remote Alarm
Pump Demand
or Low Zone
Start Circuit

-Contacts CLOSE to ALARM
-Contacts OPEN to ALARM

Alarm contact rating (Resistive): 2 Amps @ 30VDC,
1 Amp @ 125 VAC

O.C.
(Note 1)

REMOTE START
(Note 2)

LOCKOUT CONTACT
(Note 2)

Pump Running
Remote Alarm
Pump Running
Remote Alarm
AC Power Fail
Remote Alarm
(Note 3)
Phase Sequence
Remote Alarm

To 1 Ø A.C.
Supervisory
Power Source

M
MAIN
CONTACTOR

Motor

U.L.
LISTED
FM
APPROVED

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

MODEL MCT EXTERNAL WIRING DIAGRAM - G4

Date 10 Jan 2014
Drawing 20108 Issue 2