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

GROUNDING ELEC
TO
GROUNDING CONDUCTOR

10 3Ø A.C. Source
(SEQUENCE ABC)

ISOLATING SWITCH

RECOIL

MASTER Electric
Fire Pump Controller

TB1B

PUMP DEMAND OR LOW ZONE START CIRCUIT

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

TB1A

REMOTE START (Note 1)

REMOTE RECOIL

PUMP RUNNING REMOTE ALARM
PUMP RUNNING REMOTE ALARM
AC POWER FAIL REMOTE ALARM (Notes 3)
PHASE SEQUENCE REMOTE ALARM
TO 1Ø A.C. SUPERVISORY POWER SOURCE

MAIN CONTACTOR

BP

MOTOR

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

MODEL MCVR EXTERNAL WIRING DIAGRAM
PRIMARY REACTOR BYPASS - G4

Date 10 Jan 2014
Drawing 20123 Issue 2