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

3 0 A.C. Source
(SEQUENCE ABC)

10

ISOLATING SWITCH

L1

L2

L3

EXTERNAL ETHERNET RJS CONNECTOR

GROUNDING ELECTRODE CONDUCTOR

GROUNDED SERVICE CONDUCTOR

MASTER Electric
Fire Pump Controller

TB1B

TB1A

SRA

TB1B

PDR

16

SYSTEM TBBL
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

TB1A

O.C.
(REMOTE START)

(REMOTE ALARM)

(REMOTE ALARM)

(REMOTE ALARM)

(REMOTE ALARM)

(REMOTE ALARM)

(PUMP RUNNING)

(PUMP RUNNING)

AC POWER FAIL

PHASE SEQUENCE

1 2

1 2

MAIN CONTAC TOR NO. 1

MAIN CONTAC TOR NO. 2

M1

M2

T1

T2

T3

T4

T5

T6

MOTOR

UL LISTED

FM APPROVED

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

MODEL ECP EXTERNAL WIRING DIAGRAM - G4

Date 10 Jan 2014

Drawing 21102 Issue 2