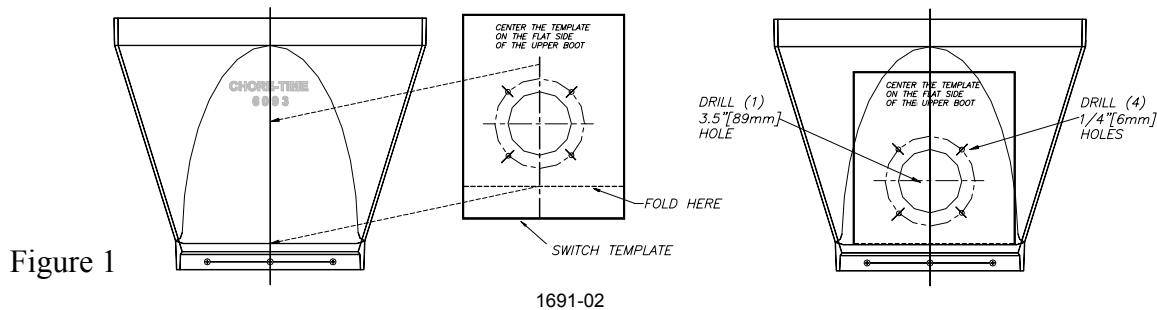**CHORE-TIME**®

46910
SENSOR PLUS™
Panel Switch

The SENSOR PLUS™ Panel Switch has numerous applications. It can be utilized as a level switch to shut off a fill system motor if the feed bin runs empty of feed (see wiring diagram, page 3). It can also be utilized as a level switch in feed screener applications to replace mechanical version switches (see wiring in cage screener manual). See Auto Bin Slide Instruction for applications operating Automatic Bin Slide Actuators.

Installation

1. Using the provided template (page 2), mark and drill the holes for the Panel Switch. See **Figure 1**.

Figure 1

CENTER THE TEMPLATE ON THE FLAT SIDE OF THE UPPER BOOT

FOLD HERE

SWITCH TEMPLATE

1691-02

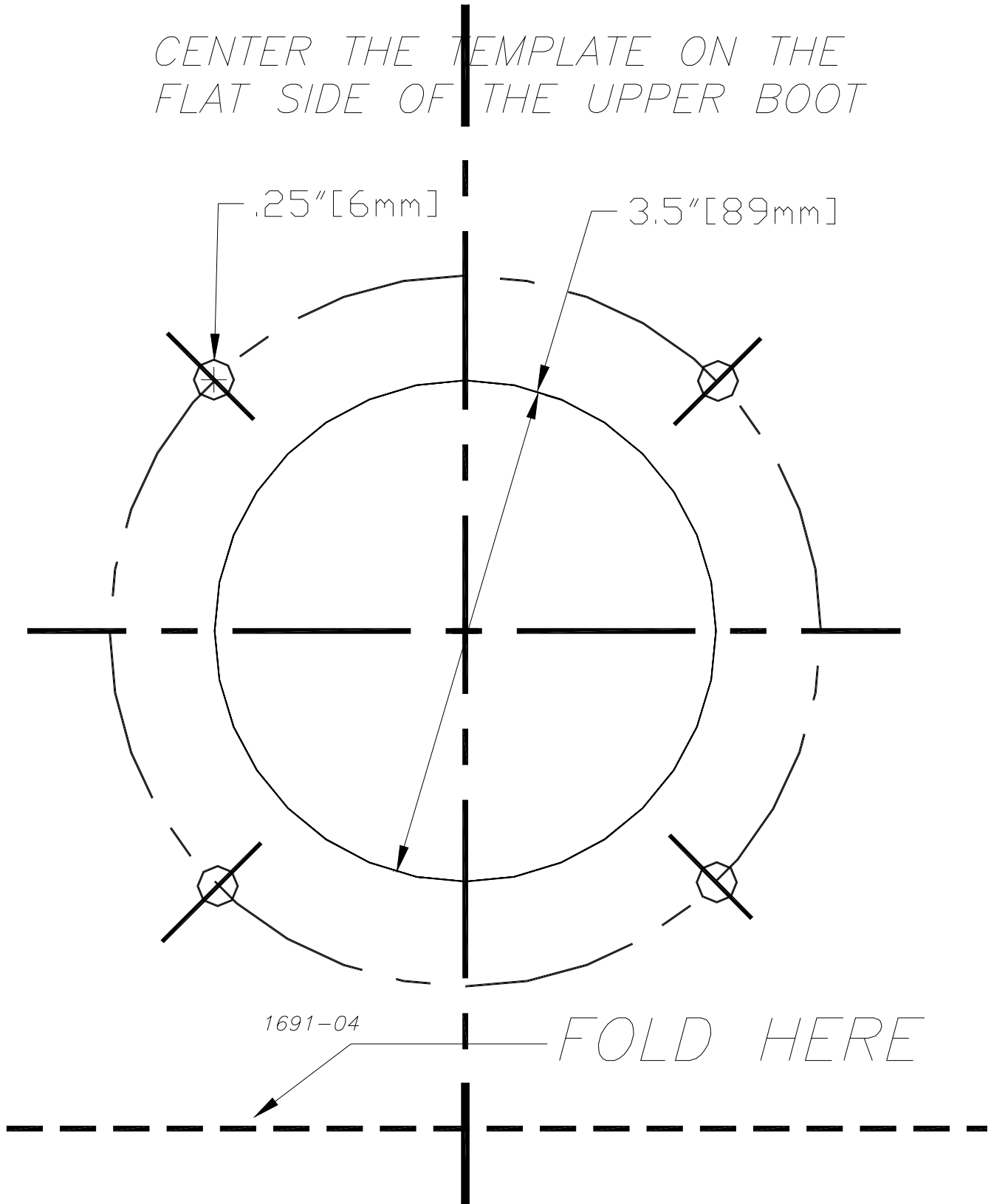DRILL (1) 3.5"[89mm] HOLE

DRILL (4) 1/4"[6mm] HOLES

2. **Proximity Switch installation**, assemble the 4873 Neoprene Seal onto the Switch Unit and insert the (4) switch studs through the holes that were just drilled in Section #3 and assemble the (4) washers and (4) #10 hex nuts on the inside of the Upper Boot. Note: the angle part of the red switch must be on top when mounting in the Upper Boot See **Figure 2**.
   Tighten the hex nuts securely.

4873 Neoprene Seal

46910 Proximity Switch

Angle Part Must Be Up

1691−03

Figure 2
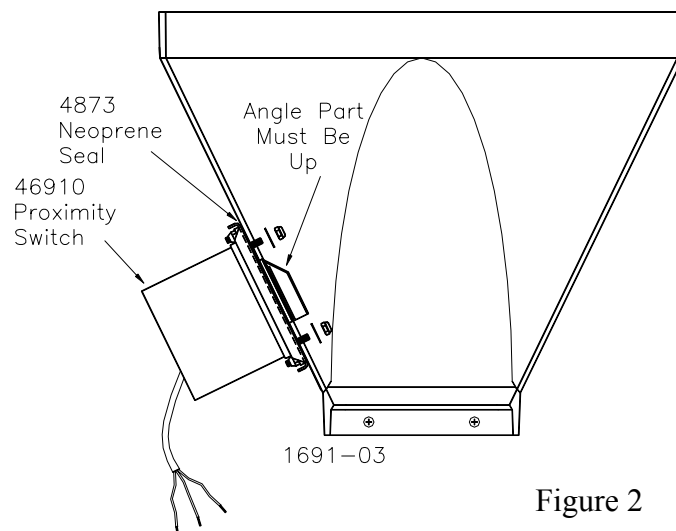
3. Wire the switch according to the wiring diagram. See Page 3.

Switch Mounting Template

CENTER THE TEMPLATE ON THE
FLAT SIDE OF THE UPPER BOOT

.25"[6mm]

3.5"[89mm]

1691-04

FOLD HERE

MA1717B

Wiring Diagram

Panel switch used as feed bin level switch

FILL MOTOR
230V, 1 PHASE
1 HP MAX

M 1

230 VOLT, 50/60 HZ,
1 PHASE SUPPLY
FROM DISCONNECT
OR CONTROL PANEL

L2 OR N

L1

CONSTANT
230 VOLT
SUPPLY

L1

L2

1 2 3 4 5 6

FILL SYSTEM
CONTROL UNIT
(S1)

NC   NO   COM   L1   L2

Orange   White   Red   Red   Black

220 VAC
SUPPLY

1 2 3

POWER RELAY

NO

NC   COM
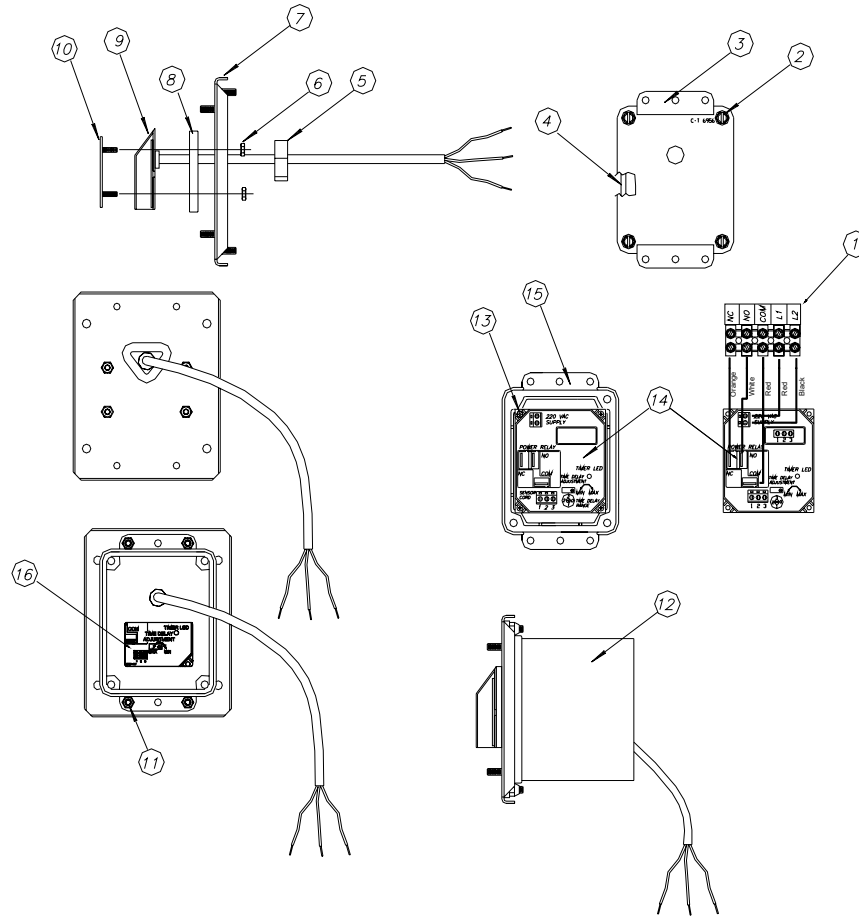
TIMER LED

TIME DELAY
ADJUSTMENT

MIN   MAX

1 2 3
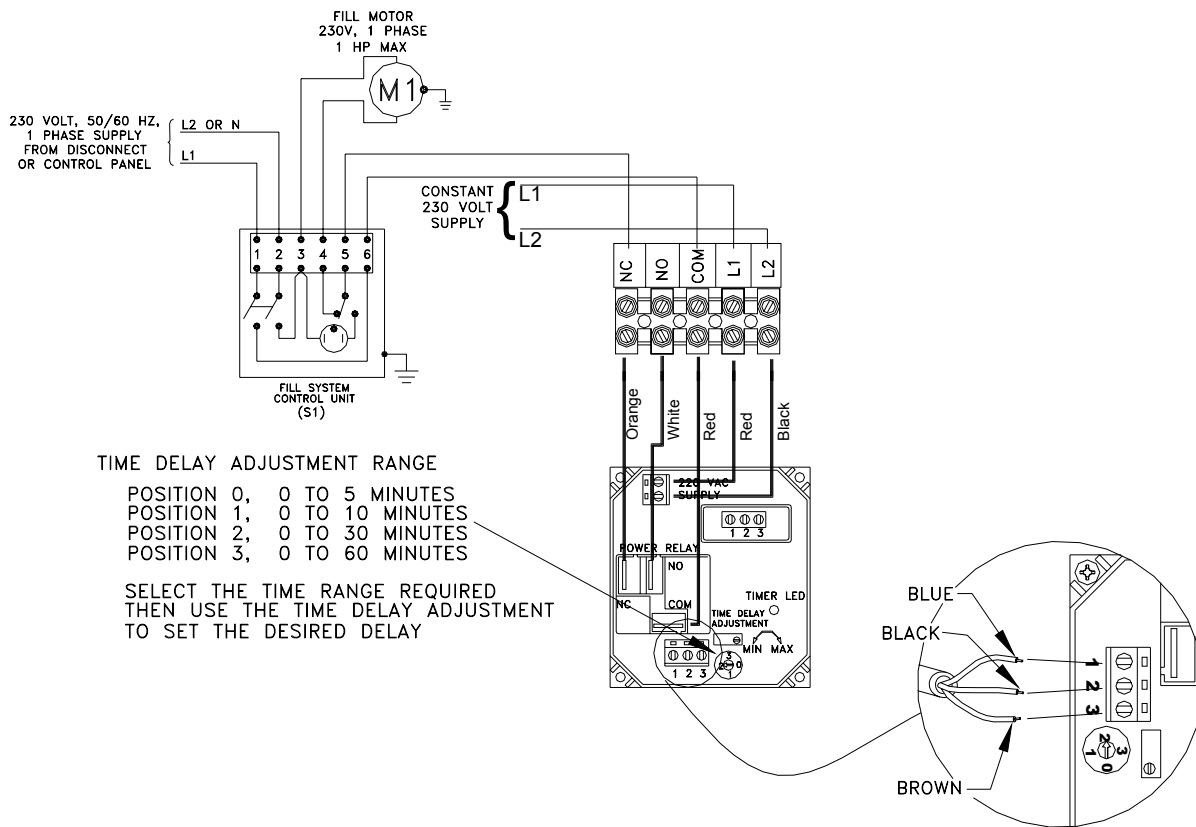
TIME DELAY ADJUSTMENT RANGE

POSITION 0,   0 TO 5 MINUTES
POSITION 1,   0 TO 10 MINUTES
POSITION 2,   0 TO 30 MINUTES
POSITION 3,   0 TO 60 MINUTES

SELECT THE TIME RANGE REQUIRED
THEN USE THE TIME DELAY ADJUSTMENT
TO SET THE DESIRED DELAY

BLUE

BLACK

BROWN

1 2 3

SENSOR CONNECTING DETAIL

46910 Panel Switch

Ref. No.	Part no.	Description	Ref. No.	Part No.	Description
1	34925-5	Terminal Strip	9	46266	Level Sensor
2	28075	Screw, HXWH #10	10	46314	Sensor Retainer
3	46912	Terminal Box Cover	11	6963	Lock Nut 10-32
4	6777	Switch Box Gasket	12	42610	Box
5	6968-1	Gasket	13	35493	Screw, Phil Panh
6	771	Nut, HX 6-32	14	46266	Sensor Level Switch
7	46911	Switch Box Mount	15	6956	Cover
8	46546	Sensor Spacer	16	2526-409	Decal

CHORE-TIME

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Built to last.™**

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