



PRISM MONITOR w/ SENTINEL LED
FOR WATER AND FOAM

**** INSTALLATION INSTRUCTION MANUAL ****

**** topics ****

page#

1. PRISM MONITOR INSTALLATION -----	2
2. WIRING INSTRUCTIONS -----	3
3. SERIES 6000 PRISM CABLING DIAGRAMS-----	4
4. SERIES 500 PRISM CABLING DIAGRAMS-----	5
5. CONNECTOR SPECIFICATIONS-----	11
6. SENSOR SPECIFICATIONS -----	6
7. PRISM DISPLAY OPERATIONS -----	13
8. AIR RELIEF VALVE MOUNTING-----	14

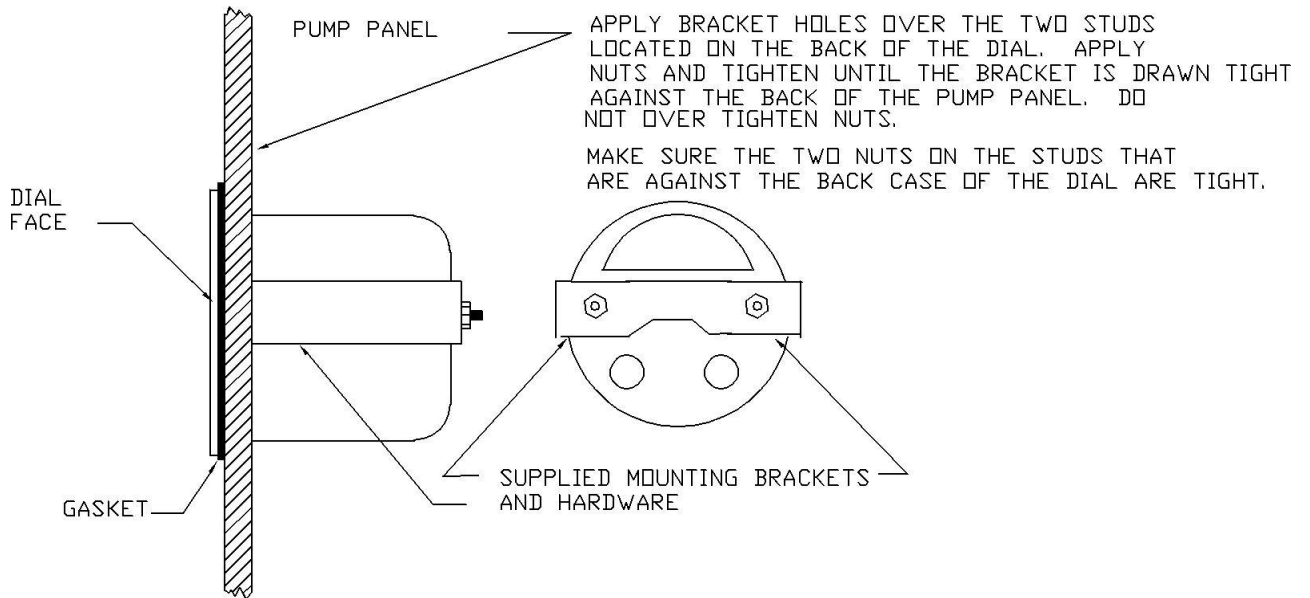
NOTE: The Prism CANNOT be calibrated in the field. Attempting any calibration can cause permanent damage to the Prism and void its warranty. If you believe the Prism has a problem, contact M.C. Products at 1-800-345-0839 and speak with a technician. Thank you.



PRISM MONITOR w/ SENTINEL LED
FOR WATER AND FOAM

PRISM INSTALLATION INSTRUCTIONS

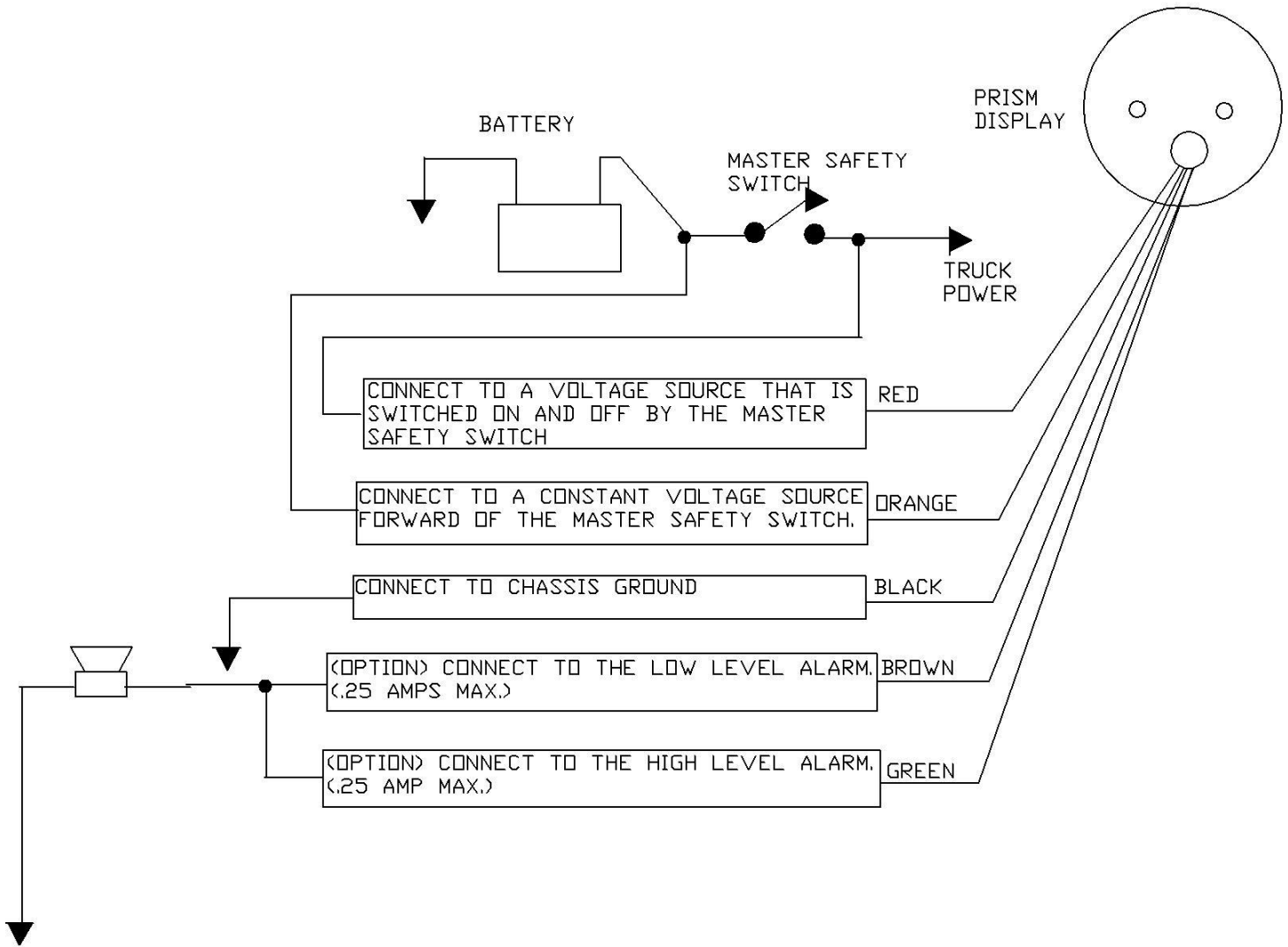
CUT A 3 3/8" (85mm) HOLE IN THE PANEL. SECURE THE DIAL TO THE PANEL USING THE BRACKETS AND HARDWARE AS SHOWN BELOW:





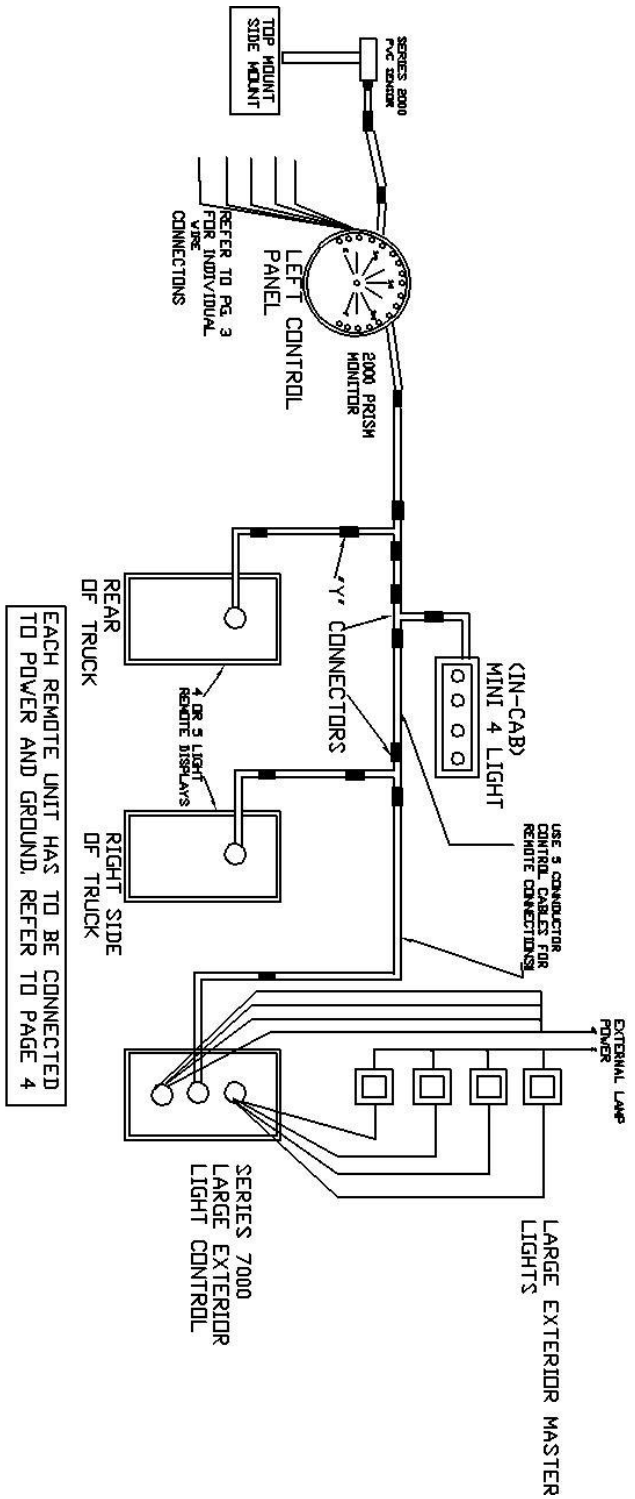
PRISM MONITOR w/ SENTINEL LED
FOR WATER AND FOAM

****PRISM WIRING INSTRUCTIONS****

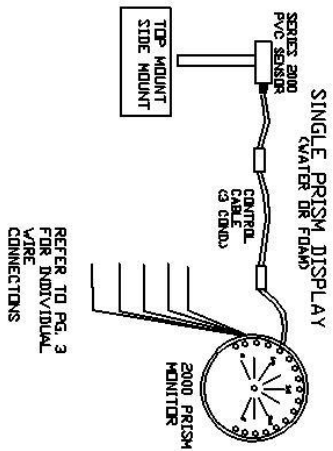


PRISM MONITOR w/ SENTINEL LED
FOR WATER AND FOAM

SERIES 6000 PRISM w/ REMOTES



SERIES 6000 PRISM SINGLE DISPLAY





PRISM MONITOR w/ SENTINEL LED
FOR WATER AND FOAM

**** MONITOR SPECIFICATIONS ****

////////////////////	500 PRISM	2000 PRISM
CURRENT LOAD	1.25A	1.25A
SUPPLY VOLTAGE	12V/24V	12V/24V
SYSTEM GROUND	NEG/POS	NEG/POS
SENTINEL LOAD	.05A	.05A

****CONTROL CABLE SPECIFICATIONS****

PURPOSE	TYPE	LENGTH	CONNECTORS	PART#
EXTENSION	REMOTE TO MASTER	11 ft.	MALE/FEMALE DEUTSCH 5-CONDUCTOR	M1404
EXTENTION	EXTENSION	15 ft.	MALE/FEMALE DEUTSCH 4- CONDUCTOR	M1145
EXTENTION	“Y” CONNECTOR	6”	MALE/MALE/FEMALE DEUTSCH (SENSOR TO MASTER & REMOTE)	M1412

****SERIES 2000 PVC SENSOR SPECIFICATIONS****

SENSOR TYPE	CABLE LENGTH	MALE CONNECTOR	FLANGE DIAMETER	LENGTH
TOP MOUNT 4 BOLT	1 ft.	GRAY DEUTSCH 4 PIN CONNECTOR (MALE) DT04-4P	2.5”	CUSTOM SIZED
SIDE MOUNT 4 BOLT	1 ft.	GRAY DEUTSCH 4 PIN CONNECTOR (MALE) DT04-4P	2.5”	6”

****STAINLESS STEEL SENSOR SPECIFICATIONS****

(SERIES 500 WATER ONLY)

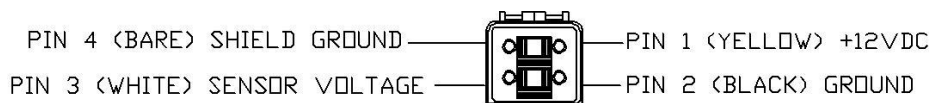
SENSOR TYPE	CABLE LENGTH	MALE CONNECTOR	FLANGE DIAMETER
TOP MOUNT 4 BOLT	1 ft.	GRAY DEUTSCH 6 PIN CONNECTOR (MALE) DT04-6P	2.5”
RIGHT ANGLE SIDE MOUNT 4 BOLT	1ft.	GRAY DEUTSCH 6 PIN CONNECTOR (MALE) DT04-6P	3.00”
FILL TOWER SLIP OUT	1 ft.	GRAY DEUTSCH 6 PIN CONNECTOR (MALE) DT04-6P	N/A



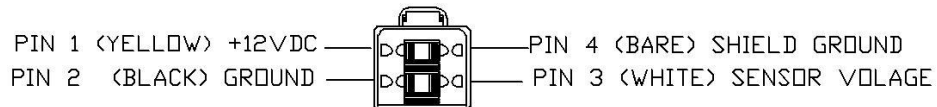
PRISM MONITOR w/ SENTINEL LED

FOR WATER AND FOAM

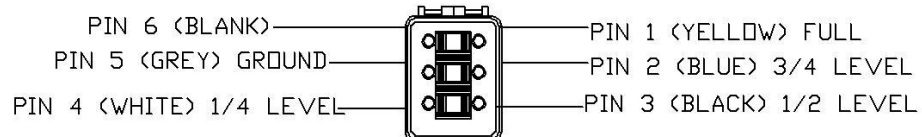
CONNECTOR SPECIFICATIONS



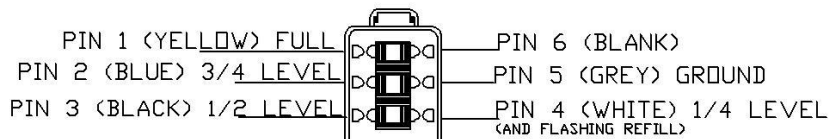
DEUTSCH CONNECTOR
(MALE) FRONT PIN VIEW
MODEL# DT04-4P



DEUTSCH CONNECTOR
(FEMALE) SOCKET VIEW
MODEL# DT04-4S



DEUTSCH CONNECTOR
(MALE) FRONT PIN VIEW
MODEL# DT04-6P



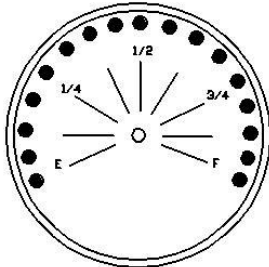
DEUTSCH CONNECTOR
(FEMALE) SOCKET VIEW
MODEL# DT06-6S



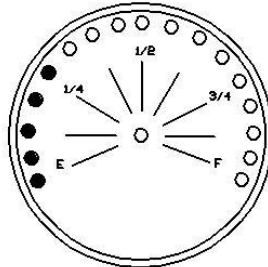
PRISM MONITOR w/ SENTINEL LED

FOR WATER AND FOAM

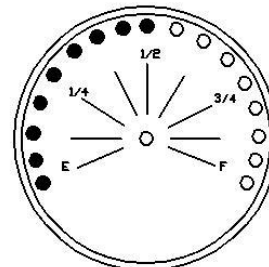
PRISM DISPLAY OPERATION



"REFILL LEVEL"
ALL 17 LED'S
ARE FLASHING
(RED)



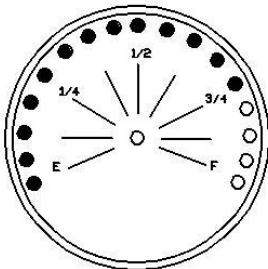
"1/4 LEVEL"
FIRST 5 LED'S
ARE ALTERNATLY
FLASHING (AMBER &
RED)



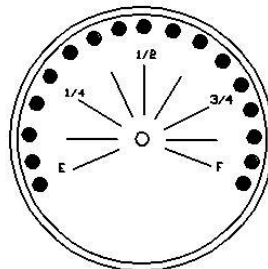
"1/2 LEVEL"
FIRST 9 LED'S
ARE FLASHING
(AMBER)

NOTE: AS THE DISPLAY IS GETTING READY TO CHANGE TO INDICATE A NEW 1/4 LEVEL, IT WILL "STUDDER" BETWEEN THE NEW AND OLD 1/4 LEVEL TO INDICATE TO YOU THAT THE DISPLAY IS ABOUT TO CHANGE.

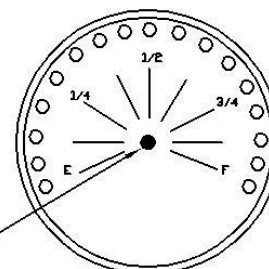
NOTE: AS THE LEVEL CHANGES FROM 3/4 LEVEL TO REFILL, THE FLASHING RATE OF THE LED'S BECOMES QUICKER!!



"3/4 LEVEL"
FIRST 13 LED'S
ARE FLASHING
(GREEN)



"FULL"
ALL 17 LED'S
ARE ON SOLID
(BLUE)



SENTINEL FEATURE
WITH THE MASTER
SAFETY SW. OFF, THE SENTINEL
LED WILL CONTINUE TO MONITOR
THE LEVEL
FULL = SOLID BLUE
3/4 = FLASHING GREEN
1/2 = FLASHING AMBER
1/4 = FLASHING AMBER & RED
REFILL = FLASHING RED



PRISM MONITOR w/ SENTINEL LED
FOR WATER AND FOAM

**** SERIES 2000 AIR RELIEF FITTING ****

**INSTALLATION INSTRUCTIONS
FOR USE IN SEALED OR NON-VENTED TANKS ONLY**

ENSURE THAT THE AIR RELIEF VALVE WILL SIT ABOVE THE FLUID LEVEL. DRILL A 1 1/8" HOLE IN THE FILL TOWER LID.

UNSCREW THE SUPPLIED RELIEF FITTING. INSERT ONE HALF OF THE FITTING INTO THE HOLE AND SCREW ON THE REMAINING HALF TO THE FIRST HALF HAND TIGHT.

THE MC AIR RELIEF FITTING WAS SPECIALLY DESIGNED TO MAINTAIN THE APPROPRIATE PRESSURE IN THE TANK.

TANKS PREVIOUSLY EQUIPPED WITH A VENT OTHER THAN MC PRODUCTS AIR RELIEF FITTING ARE STILL REQUIRED TO INSTALL THE MC AIR RELIEF FITTING WITH A MC SERIES 2000 PVC FACTORY VENTED SENSOR.

