



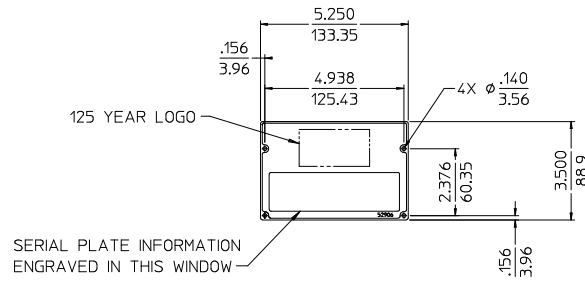
Document Number	Issue Date	Rev. Date
DPL 82231	04/25/96	10/27/15

Dimensional Drawings for Panel Components

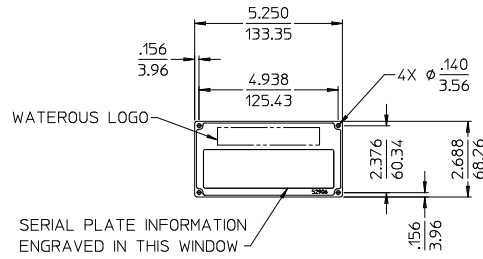
NOT CURRENT, SEE INDIVIDUAL PRODUCT DIMENSIONAL DRAWINGS

Panel Component			See Page
Serial Plate (Part No. 52906)			2
Transfer Valve Actuator	CM	Manual	2
		Electric	2
		Electric Override	3
	CP-3		3
OPM (Overheat Protection Manager)			3
Priming System	VAP Priming Valve Panel		3
Valves	Manual Rotary Actuator	Discharge Valves	4
		Butterfly Valves	
	Electric Rotary Actuator	Discharge Valves	4
		Butterfly Valves	
		Tank to Pump Valves	
	Push-Pull Discharge Valves		4
Pressure Control	Pilot Valves	Discharge Relief Valves	5
		Intake Relief Valves	5
	Intake Relief Valve Warning		6
Drain Valve	Panel Mounted		6
	Cable Operated		6

Panel Component			See Page
Shift	Throttle Ready Panel		6
	In-cab Panel	Pneumatic Shift	7
		Electric Shift (Pumps)	7
		Manual Shift	8
		Electric Shift (PTO's)	8
		Hydraulic Shift	9
Electronic Tachometer Cable (Optional)			9
Auto Tank Fill	Electric Valve Panel		10
	Selector Switch Panel		10
	Tank Level Monitor Panel		10
Advantus™ Foam System	OIT Control Panel		11
	Instruction Plate		11
	Advantus 3 Rating (Optional)		11
	Advantus 6 Rating (Optional)		11
	System Schematic Plate (Optional)		12
FoamPro® Foam System	Instruction Plate		12
	Digital Display Control Module		12
Eclipse™ CAFS	Electric Auto-Sync Panel		13
	Oil Temperature Gauge		13
	Warning Plate		13
	Hose Specification Plate		13

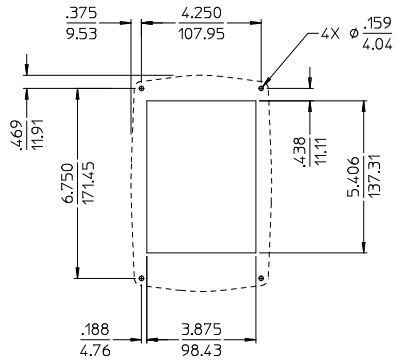


USED ONLY IN 2011



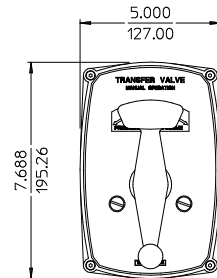
NOTE:
PANEL PLATE MOUNTING HARDWARE
NOT SUPPLIED BY WATEROUS CO.

SERIAL PLATE

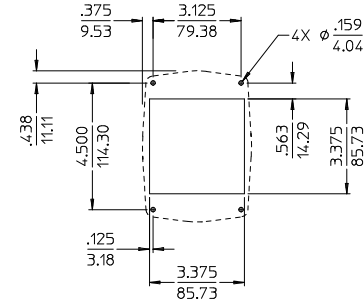


PANEL HOLE LAYOUT

CM MANUAL

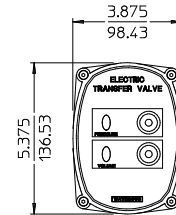


NOTE:
PANEL PLATE MOUNTING HARDWARE SUPPLIED
BY WATEROUS CO.



PANEL HOLE LAYOUT

CM ELECTRIC



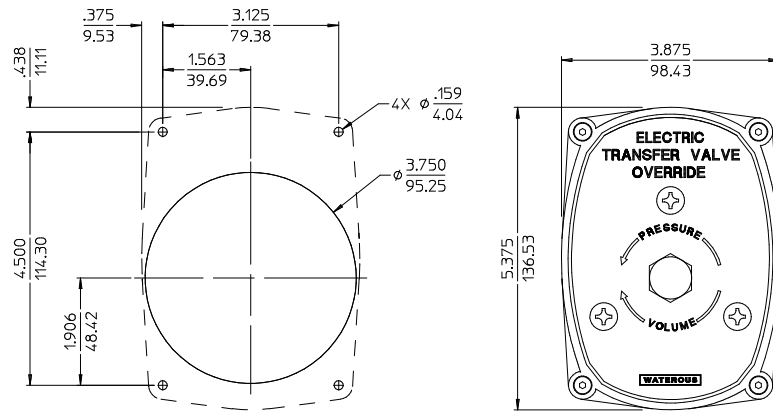
NOTE:
PANEL PLATE MOUNTING HARDWARE SUPPLIED
BY WATEROUS CO.

TRANSFER VALVE ACTUATOR

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

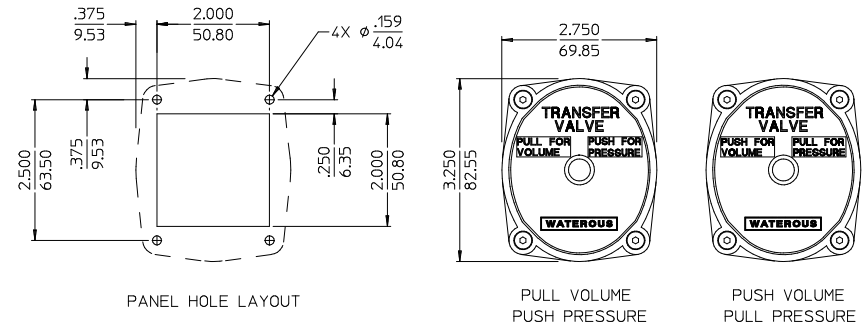
(INCH
MILLIMETER)

PANEL PLATE DIMENSIONS
DPL82231
WATEROUS COMPANY
SOUTH ST. PAUL, MN 55075
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PANEL HOLE LAYOUT

CM MANUAL OVERRIDE



PANEL HOLE LAYOUT

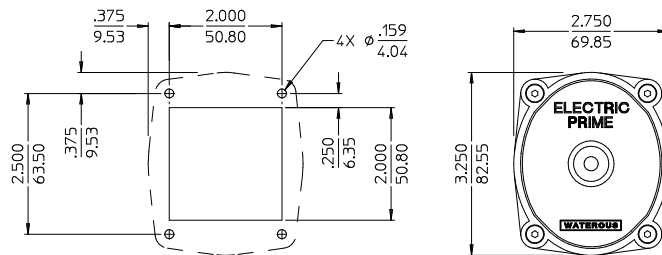
PULL VOLUME
PUSH PRESSURE

PUSH VOLUME
PULL PRESSURE

NOTE:
CONTROL KNOB NOT SHOWN FOR DRAWING CLARITY.

CP-3

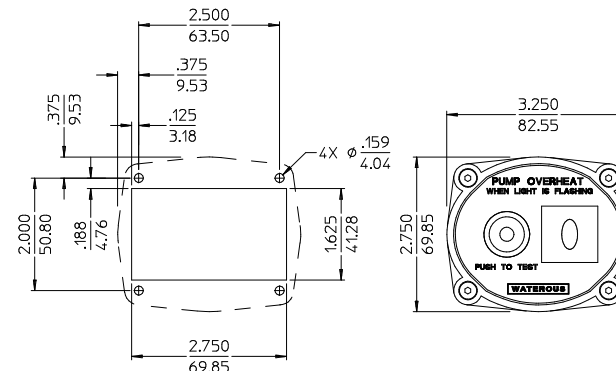
TRANSFER VALVE



PANEL HOLE LAYOUT

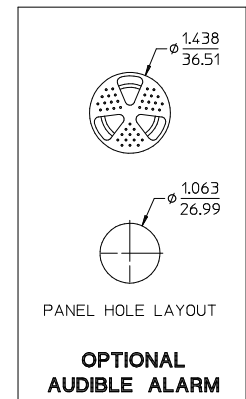
**VACUUM ACTIVATED (VAP) PRIMING VALVE
(FURNISHED WITH PRIMING PUMP)**

PRIMING SYSTEM



PANEL HOLE LAYOUT

OPM (OVERHEAT PROTECTION MANAGER)



PANEL HOLE LAYOUT

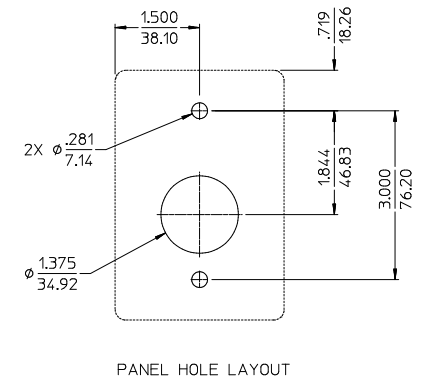
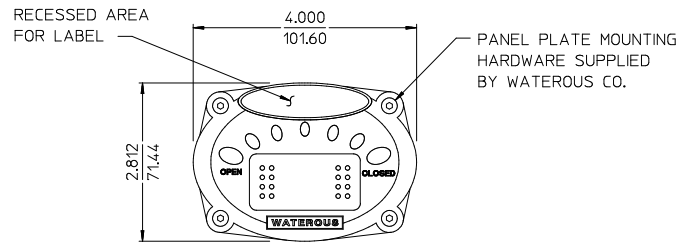
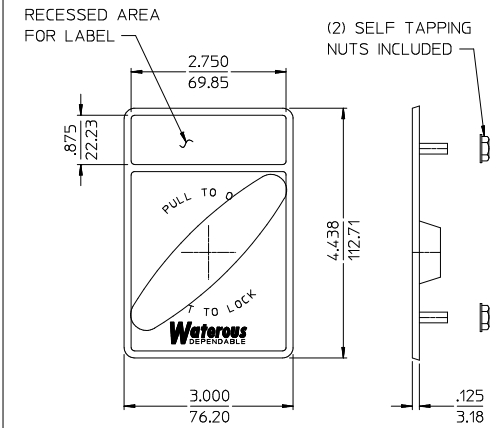
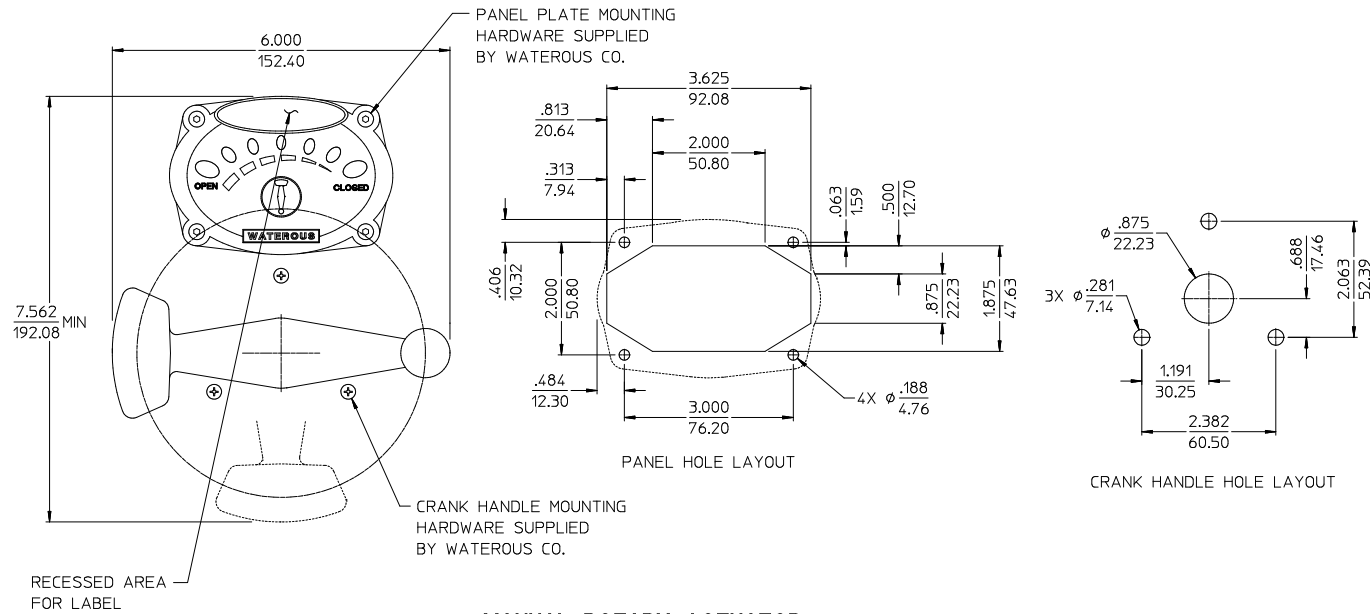
**OPTIONAL
AUDIBLE ALARM**

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

($\frac{\text{INCH}}{\text{MILLIMETER}}$)

NOTE:
PANEL PLATE MOUNTING HARDWARE SUPPLIED
BY WATEROUS CO.

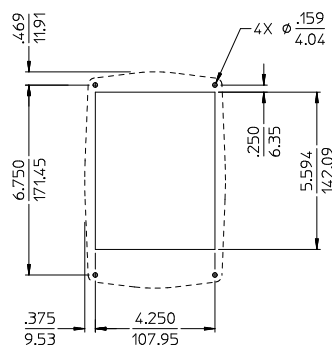
PANEL PLATE DIMENSIONS
DPL82231
WATEROUS COMPANY
SOUTH ST. PAUL, MN 55075
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MANUAL ROTARY ACTUATOR

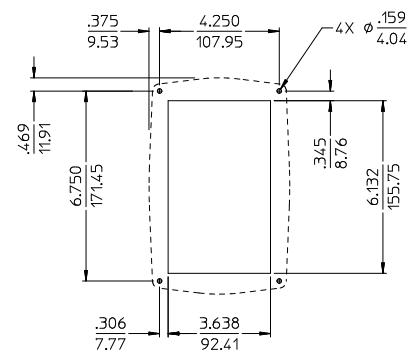
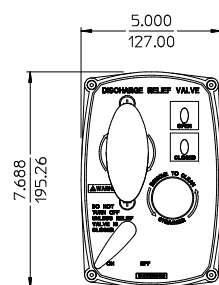
ELECTRIC ROTARY ACTUATOR

VALVES



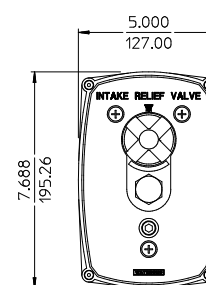
PANEL HOLE LAYOUT

DISCHARGE RELIEF VALVE PILOT VALVE



PANEL HOLE LAYOUT

INTAKE RELIEF VALVE PILOT VALVE



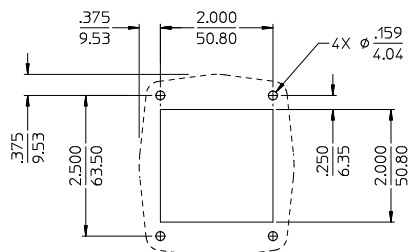
PRESSURE CONTROL

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

($\frac{\text{INCH}}{\text{MILLIMETER}}$)

NOTE:
PANEL PLATE MOUNTING HARDWARE SUPPLIED
BY WATEROUS CO.

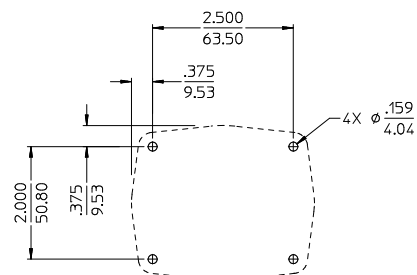
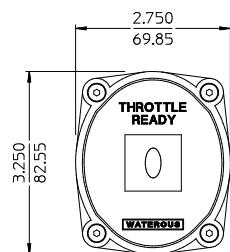
PANEL PLATE DIMENSIONS
DPL82231
WATEROUS COMPANY
SOUTH ST. PAUL, MN 55075
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OPERATORS
PANEL HOLE LAYOUT

THROTTLE READY PANEL

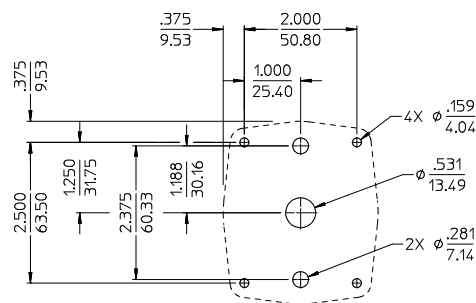
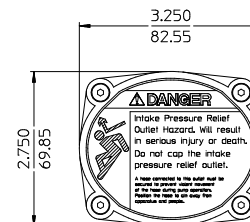
PUMP SHIFT



PANEL HOLE LAYOUT

INTAKE RELIEF VALVE WARNING

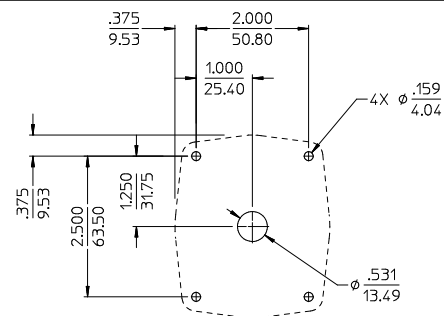
PRESSURE CONTROL



PANEL HOLE LAYOUT

PANEL MOUNTED

NOTE:
HANDLE NOT SHOWN FOR DRAWING CLARITY.



PANEL HOLE LAYOUT

CABLE OPERATED

NOTE:
HANDLE NOT SHOWN FOR DRAWING CLARITY.

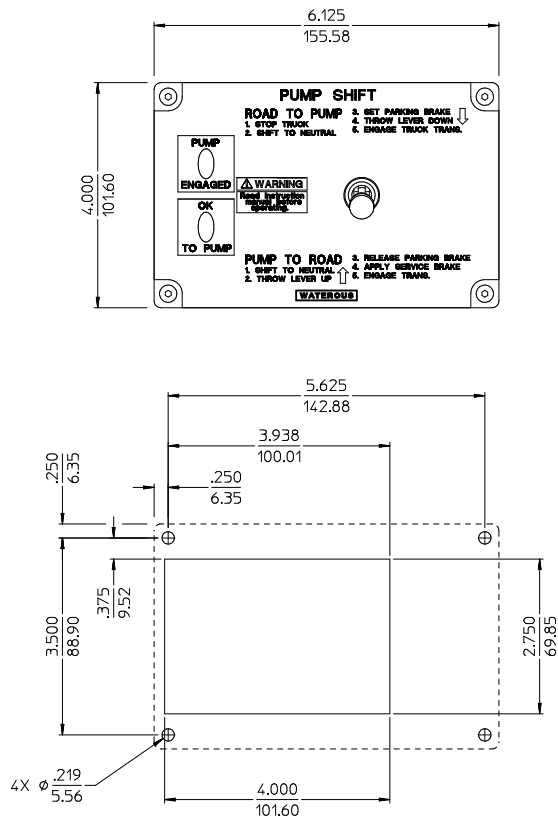
DRAIN VALVES

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

($\frac{\text{INCH}}{\text{MILLIMETER}}$)

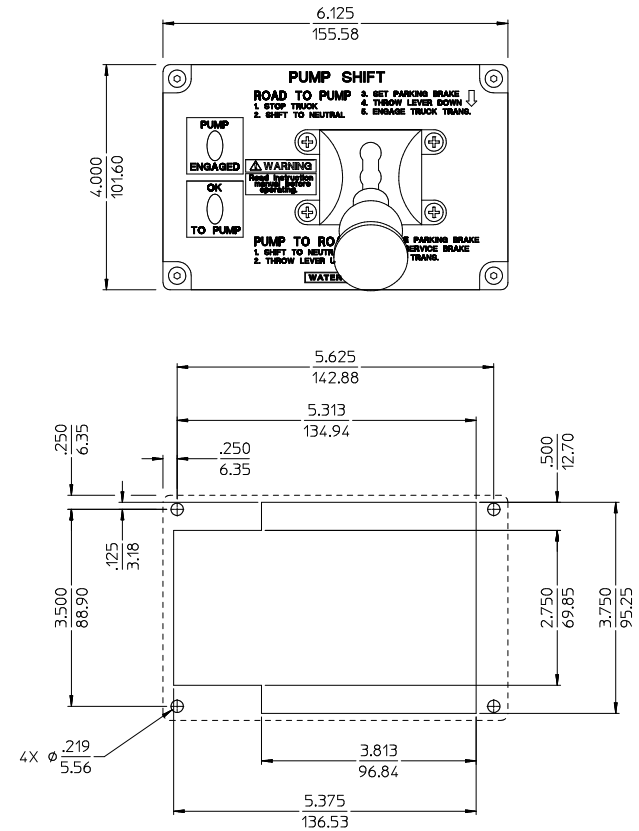
NOTE:
PANEL PLATE MOUNTING HARDWARE SUPPLIED
BY WATEROUS CO.

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DPL82231
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SOUTH ST. PAUL, MN 55075
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IN-CAB PANEL HOLE LAYOUT

ELECTRIC SHIFT



IN-CAB PANEL HOLE LAYOUT

PNEUMATIC SHIFT

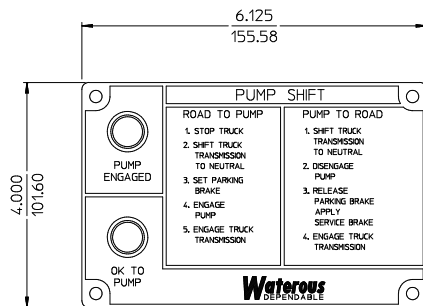
SHIFT IN-CAB PANEL

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

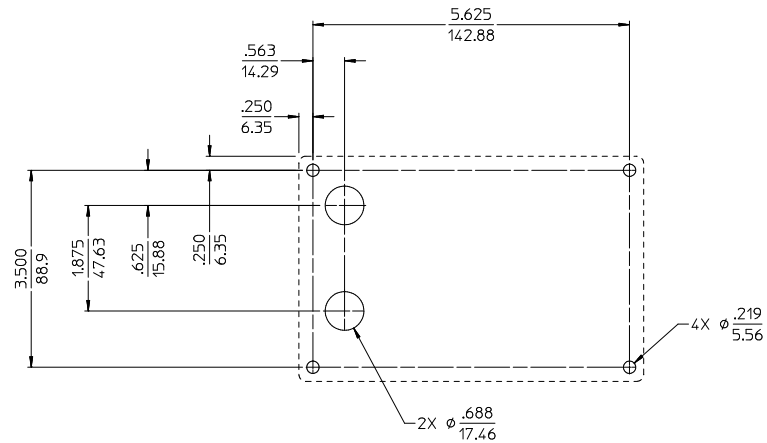
($\frac{\text{INCH}}{\text{MILLIMETER}}$)

NOTE:
PANEL PLATE MOUNTING HARDWARE SUPPLIED
BY WATEROUS CO.

PANEL PLATE DIMENSIONS
DPL82231
WATEROUS COMPANY
SOUTH ST. PAUL, MN 55075
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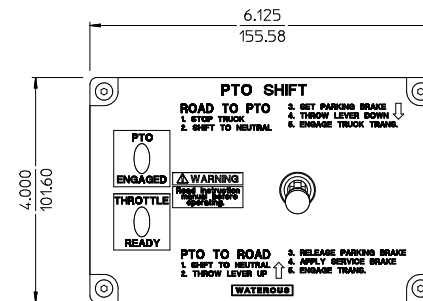


NOTE:
PANEL PLATE
MOUNTING HARDWARE
NOT SUPPLIED BY
WATEROUS CO.

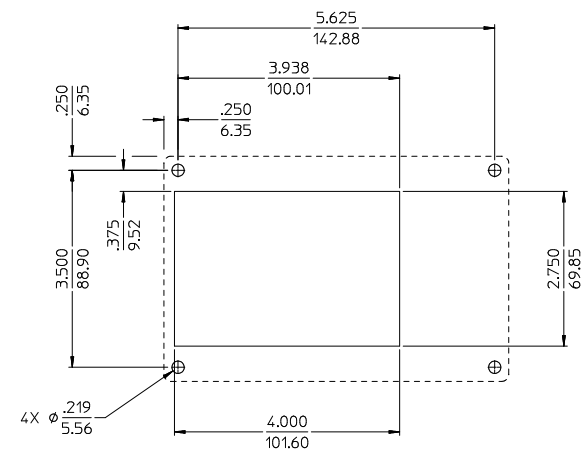


IN-CAB PANEL HOLE LAYOUT

MANUAL SHIFT



NOTE:
PANEL PLATE
MOUNTING HARDWARE
SUPPLIED BY
WATEROUS CO.



IN-CAB PANEL HOLE LAYOUT

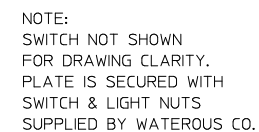
ELECTRIC SHIFT, PTO'S

SHIFT IN-CAB PANEL

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

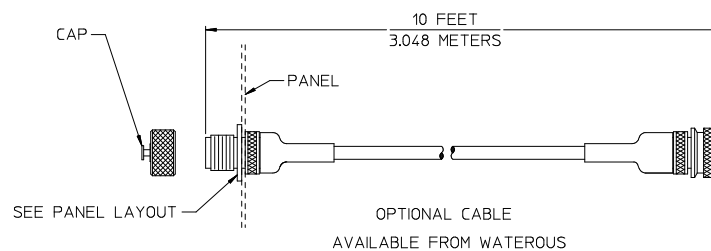
($\frac{\text{INCH}}{\text{MILLIMETER}}$)

PANEL PLATE DIMENSIONS
DPL82231
WATEROUS COMPANY
SOUTH ST. PAUL, MN 55075
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PUMP SHIFT IN-CAB PANEL

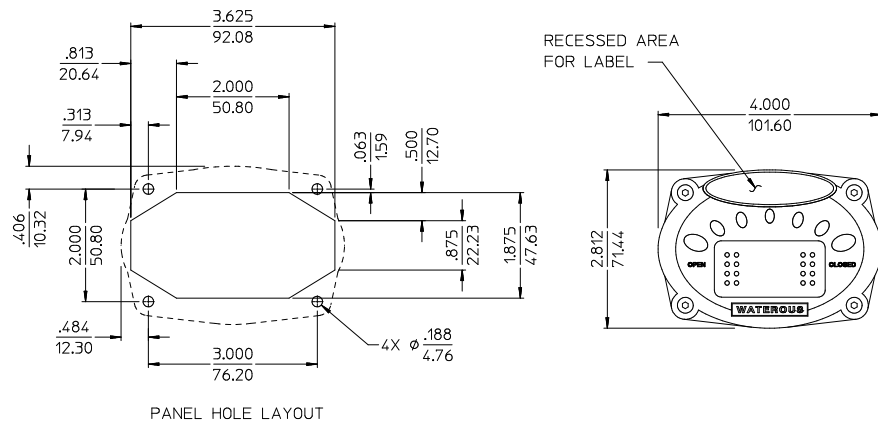
NOTE:
PANEL MOUNTING HARDWARE
NOT SUPPLIED BY WATEROUS CO.



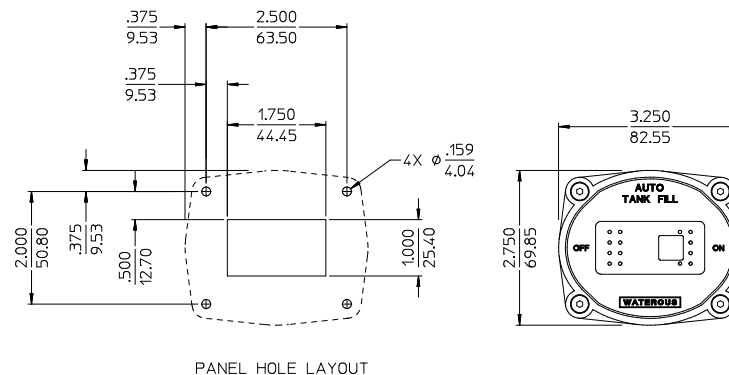
ELECTRONIC TACHOMETER CABLE (OPTIONAL)

$$\left(\frac{\text{INCH}}{\text{MILLIMETER}} \right)$$

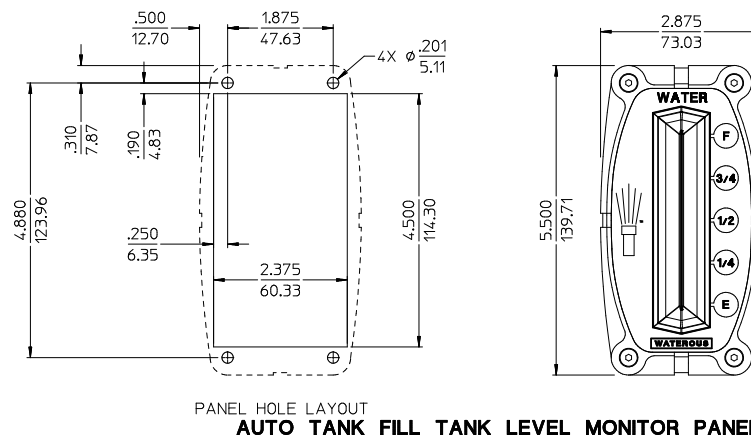
PANEL PLATE DIMENSIONS
DPL82231
WATEROUS COMPANY
SOUTH ST. PAUL, MN 55075
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ELECTRIC VALVE POSITION CONTROL PANEL



SELECTOR SWITCH PANEL



AUTO TANK FILL TANK LEVEL MONITOR PANEL

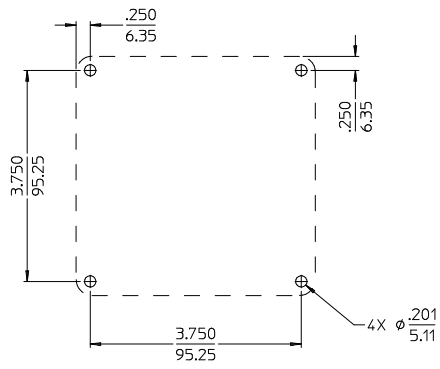
AUTO TANK FILL

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

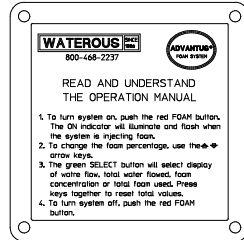
($\frac{\text{INCH}}{\text{MILLIMETER}}$)

NOTE:
PANEL PLATE MOUNTING HARDWARE SUPPLIED
BY WATEROUS CO.

PANEL PLATE DIMENSIONS
DPL82231
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SOUTH ST. PAUL, MN 55075
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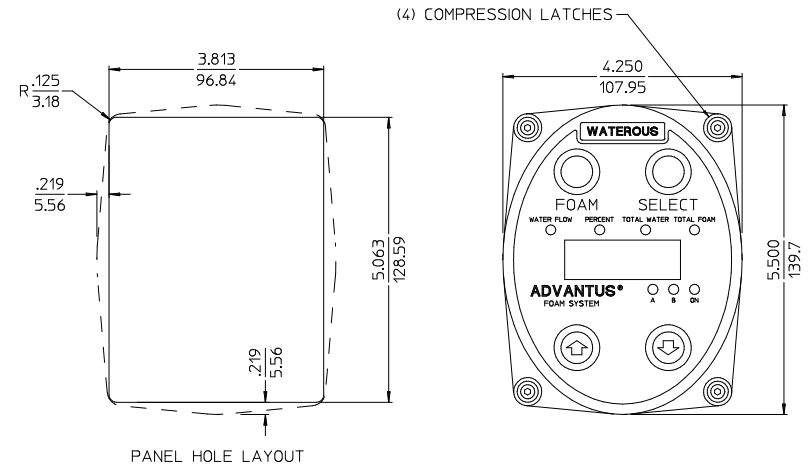


PANEL HOLE LAYOUT

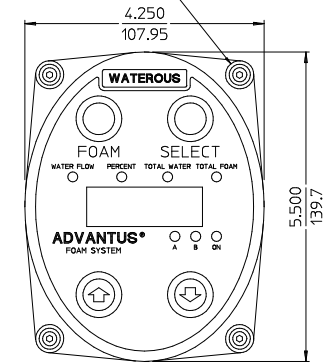


NOTE:
WATEROUS CO. DOES NOT SUPPLY MOUNTING
HARDWARE. #10 PAN HEAD SCREWS AND
NUTS ARE RECOMMENDED FOR MOUNTING.

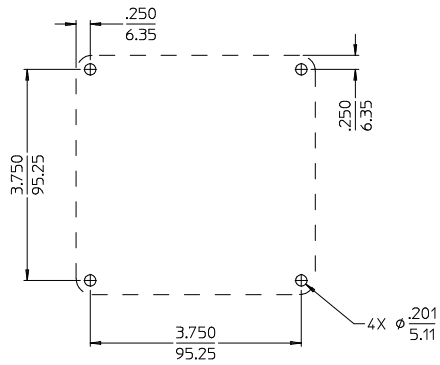
INSTRUCTION PLATE



PANEL HOLE LAYOUT



OIT CONTROL PANEL

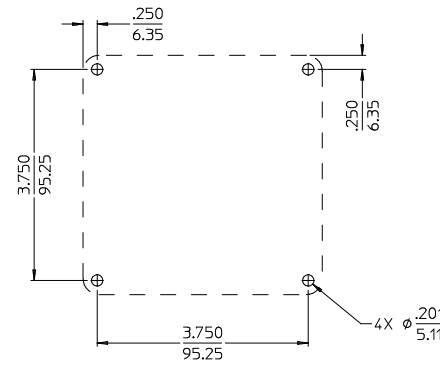


PANEL HOLE LAYOUT



NOTE:
WATEROUS CO. DOES NOT SUPPLY MOUNTING
HARDWARE. #10 PAN HEAD SCREWS AND
NUTS ARE RECOMMENDED FOR MOUNTING.

ADVANTUS 3 RATING PLATE (OPTIONAL)



PANEL HOLE LAYOUT



NOTE:
WATEROUS CO. DOES NOT SUPPLY MOUNTING
HARDWARE. #10 PAN HEAD SCREWS AND
NUTS ARE RECOMMENDED FOR MOUNTING.

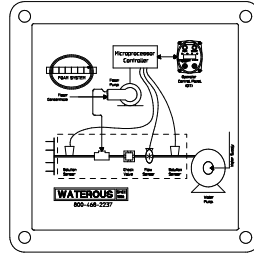
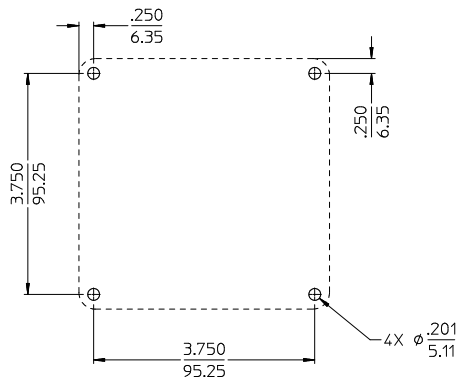
ADVANTUS 6 RATING PLATE (OPTIONAL)

ADVANTUS™ FOAM SYSTEM

ALL DIMENSIONS SHOWN AS INCH/MILLIMETER

($\frac{\text{INCH}}{\text{MILLIMETER}}$)

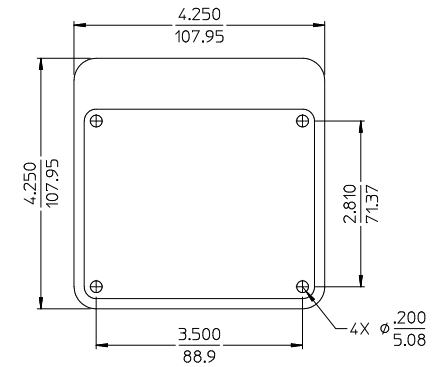
PANEL PLATE DIMENSIONS
DPL82231
WATEROUS COMPANY
SOUTH ST. PAUL, MN 55075
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NOTE:
WATEROUS CO. DOES NOT SUPPLY MOUNTING
HARDWARE. #10 PAN HEAD SCREWS AND
NUTS ARE RECOMMENDED FOR MOUNTING.

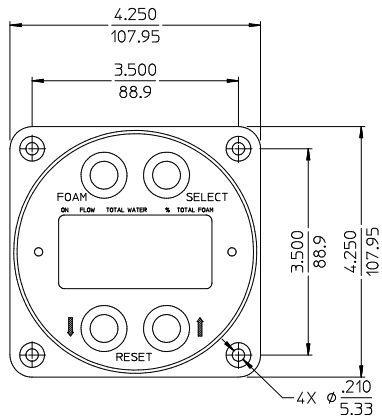
PANEL HOLE LAYOUT
SYSTEM SCHEMATIC PLATE (OPTIONAL)

ADVANTUS™ FOAM SYSTEMS

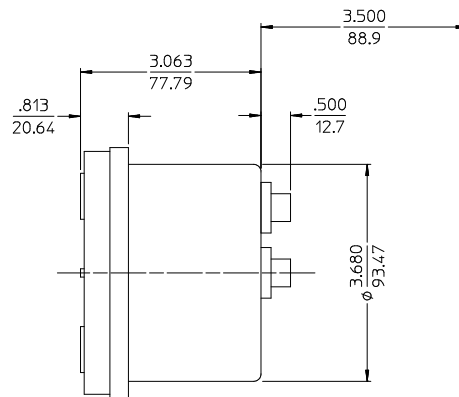


NOTE:
PANEL PLATE MOUNTING HARDWARE
NOT SUPPLIED BY WATEROUS CO.

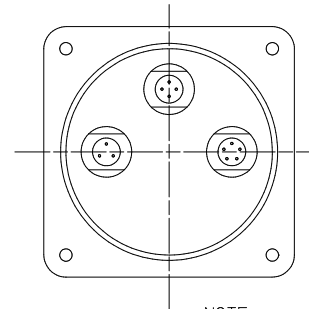
INSTRUCTION PLATE



DIGITAL DISPLAY CONTROL MODULE



MIN CLEARANCE FOR
CABLE CONNECTIONS

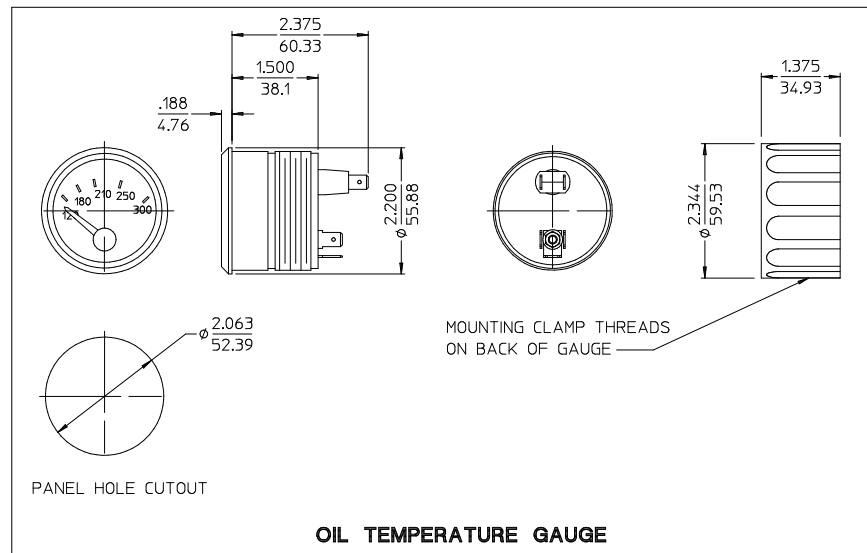
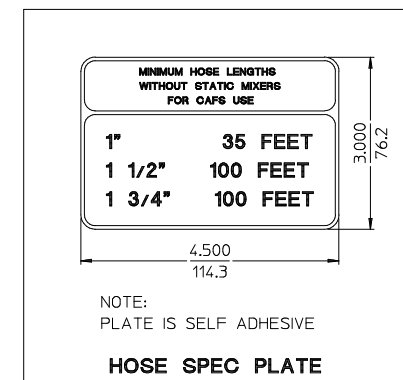
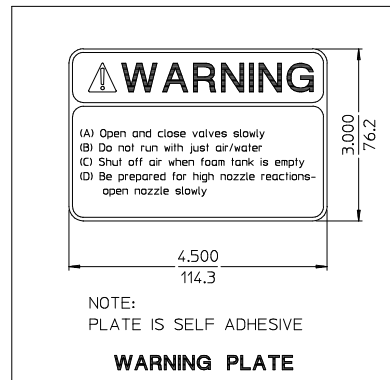
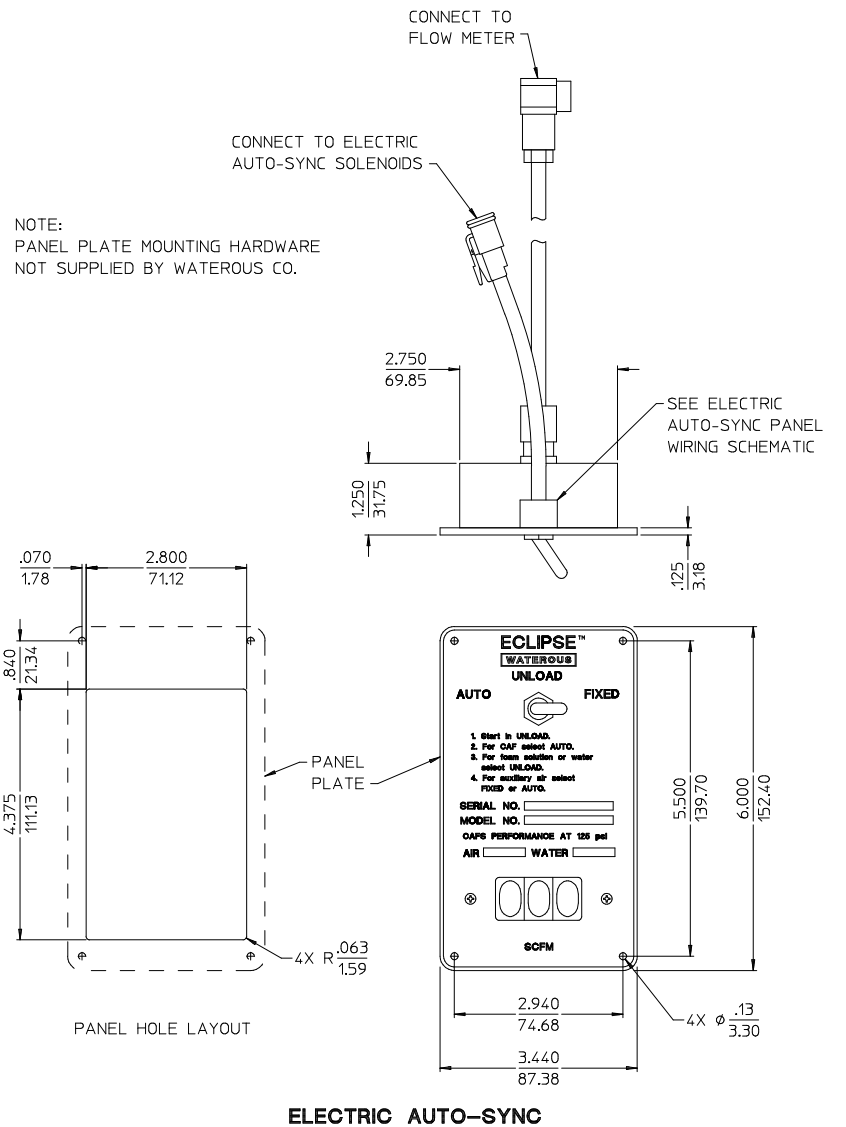


NOTE:
MOUNTING HARDWARE NOT
FURNISHED BY WATEROUS

FOAMPRO® FOAM SYSTEMS

ALL DIMENSIONS SHOWN
AS INCH/MILLIMETER
($\frac{\text{INCH}}{\text{MILLIMETER}}$)

PANEL PLATE DIMENSIONS
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ALL DIMENSIONS SHOWN
AS INCH/MILLIMETER
(INCH)
(MILLIMETER)

ECLIPSE™ CAFS

PANEL PLATE DIMENSIONS
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WATEROUS COMPANY
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