

DEADMAN AND WATER CONTROL SYSTEMS

Explosion proof controls for 120 – 240 VAC 50/60hz & 6 – 48 VDC

These intrinsically safe rated systems utilize U.L. Listed Class I, Division I, Group D components and a U.L. listed intrinsically safe control (Please note that controls on DC units are MESA, not U.L.). Power levels in the cord and handle and/or the water sensor are too low to cause a shock or fire even if the cord is severed.

NOTE: Conductive type water controls should **NOT** be used on systems pumping fuel with anti icing additive (DiEGME/Prist®) as used by the military, Phillips, and some other oil companies.

CONFIGURATION

- 1- DEADMAN SYSTEM ONLY
- 2- DUAL DEADMAN SYSTEM ONLY
- 3- DEADMAN AND WATER SYSTEM -1 STAGE
- 4- DEADMAN AND WATER SYSTEM -2 STAGE
- 5- WATER SYSTEM ONLY -1 STAGE
- 6- WATER SYSTEM ONLY -2 STAGE

EXAMPLE

GTP-1750 -3-1-2-1-1-2-3-0-25 IS A DEADMAN AND WATER SYSTEM SINGLE STAGE WATER CONTROL AND DEADMAN HANDLE. AND IS 120 VAC, EXPLOSION PROOF, UL LISTED, AND HAS A MINI DEADMAN HANDLE WITH STRAIGHT CORD, NO REEL, PROBE IS STANDARD GTP AND CORD LENGTH OF 25 FT.

VOLTAGE	1- 120 VAC 2- 220 VAC 3- 12 VDC 4- 24 VDC
HOUSING	1- WEATHER TIGHT 2- EXPLOSION PROOF 3- COMBINATION OF ABOVE
CODE	1- UL 2- CSA
HANDLE TYPE	1- MINI 2- AL JAC 3- NO HANDLE 4- GROUND CLAMP
CORD TYPE	1- COIL 2- STRAIGHT 3- NO CORD
REEL	1- STANDARD 2- HEAVY DUTY 3- NO REEL
PROBE	0- GTP STANDARD PROBE 3- NO PROBE 4- WHITTAKER PROBE 5- GTP One-CC PROBE 3/4" 6- GTP One-CC PROBE 1 1/2"
DEADMAN CORD LENGTH IN FEET	

GTP-1750 - [X] - [X]

NOTE:

- 1- WATER PROBE VERSION COMES WITH RED INDICATOR LIGHT.
- 2- WHEN GROUNDING CLAMP IS ORDERED, SYSTEM COMES WITH RED AND GREEN INDICATOR LIGHTS.
- 3- PROBE DESIGNATION - IF BOX IS MARKED WITH (0) SYSTEM GETS STANDARD GTP SINGLE OR DUAL STAGE PROBE.

CRITICALLY IMPORTANT SAFETY INFORMATION
RE: ALL GTP-1750 SERIES WATER DETECTOR SYSTEMS

IT IS IMPORTANT THAT THESE DEVICES **NOT** BE USED ON JET FUEL CONTAINING ANTI-ICING ADDITIVE (AKA "PRIST", DIEGME - DIETHYLENE GLYCOL MONOMETHYL ETHER) UNLESS SPECIAL CARE IS TAKEN TO ENSURE THAT ALL WATER IS REGULARLY (DAILY) DRAINED FROM ALL TANK AND FILTER SUMPS AND LOW POINTS (IF APPLICABLE).

WHILE SUCH DAILY DRAININGS ARE CONSIDERED REQUIRED STANDARD PRACTICE IN THIS INDUSTRY, WITH CONDUCTIVITY TYPE-PROBES AND ANTI-ICING ADDITIVE IT BECOMES MORE IMPORTANT TO DRAIN SUMPS REGULARLY.

A POOL OF WATER LYING IN THE SYSTEM WILL RAPIDLY DRAW ADDITIVE FROM THE FUEL. SOME RESEARCH INDICATES THAT SO MUCH ADDITIVE WILL GO INTO THE WATER THAT THE RESULTING LIQUID CAN BE 25% ADDITIVE AND ONLY 75% WATER AFTER LESS THAN A WEEK. ADDITIVE CONTENT WILL CONTINUE TO RISE AND WHEN THE CONCENTRATION EXCEEDS ABOUT 40%-50% (DEPENDS ON CONDITIONS) THE PROBE WILL NO LONGER BE ABLE TO DETECT THIS MIXTURE OF WATER AND ADDITIVE.

THIS IS A WATER PROBE, AND IS NOT DESIGNED TO DETECT WATER MIXED WITH SUCH HIGH CONCENTRATIONS OF ADDITIVE.

IF YOU ARE USING FUELS THAT CONTAIN THE ADDITIVE AND ARE NOT 100% CONFIDENT IN YOUR PERSONNEL SUMPING ALL WATER ON A DAILY BASIS, WE SUGGEST YOU USE EITHER A MASS SENSOR OR A FLOAT TYPE DETECTOR.

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08736

TITLE: 1750 - NOMENCLATURE

DRAWN BY: MWZ	SCALE:	MATERIAL:
DATE: 09/10/04	SHEET: 1 OF 1	DRAWING No: GTP-1750