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**DEADMAN  
AND WATER  
CONTROLS**

**BULLETIN 67  
(8-18)**

## DEADMAN AND WATER CONTROL SYSTEMS

### DEADMAN HANDLE AND CORD



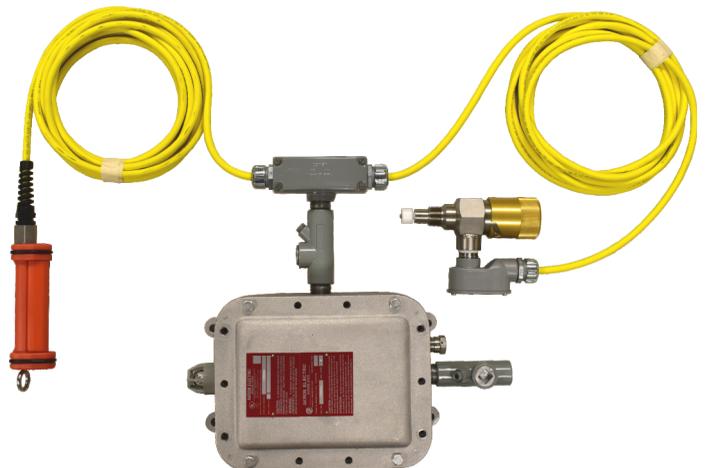
### DEADMAN CONTROL SYSTEM



### WATER CONTROL SYSTEM



### COMBINATION DEADMAN AND WATER CONTROL SYSTEM



## MINI-DEADMAN™

- Material: urethane
- Dimensions: 4" x 1 3/4"
- Weight: 6 oz.
- Durable
- Compact
- Inexpensive
- Easy to repair
- Wear resistant
- Stainless steel trigger
- Good from -55° to 180°F
- Low operating force required
- Easy to assembly/disassemble
- Can be hung on trigger for storage
- Designed for the aviation environment
- Compatible with any deadman system
- Body screws are recessed to prevent damage



### HOW TO ORDER

[GTP-8392](#)

Electric Deadman Handle

[GTP-8676](#)

Pneumatic Deadman Handle

GTP-8676H

Hydraulic Deadman Handle

**NOTE:** These handles are not suitable for AC applications unless an intrinsically safe barrier/relay is used.

The heart of any deadman is the switch. The switch in this deadman has a built-in rolling diaphragm seal, aluminum body (not glass, rubber, or plastic), and an 8 amp contact rating. It is hermetically sealed, yet is easily replaceable, incorporating "push on" type electrical connections, eliminating troubles with wire nuts or soldering. In addition, the housing is o-ring sealed and has an anodized aluminum switch carrier and cable base fitting. The strain relief is a spiral type with a watertight seal.

### HOW TO ORDER CABLE FOR ANY ELECTRIC DEADMAN HANDLE

Suffix number for the handle you want - "X" is for straight cable - \_\_\_ length in feet (up to 500 ft)  
 "Z" is for coil cable - \_\_\_ length in feet (25 ft or 50 ft)

**Example:** If you want a Mini Deadman handle with 50' of straight cable, you order a GTP-8392-X-50.

### ELECTRIC DURA-DEADMAN HANDLE

Solid, super durable, cold molded, and virtually unbreakable, this handle is made of pure polyurethane. This new Dura-Deadman handle is the strongest and most reliable deadman we offer. It was tested for over half a million cycles, we've driven over it with trucks, and it's been dragged on pavement - all without failure. It features replaceable polyurethane drag bosses for even longer life.

GTP-9720-E      Handle only - no cable  
 GTP-9720-11E    Replacement switch  
 GTP-9720-21    Replacement pair of drag bosses



These handles are weather-tight sealed. They are not suitable for AC applications unless an intrinsically safe barrier/relay is used.

Switch data:    SPDT (normally open or normally closed)

### PNEUMATIC & HYDRAULIC DEADMAN HANDLES

These Deadman handles fit the hand for maximum operator comfort. All models are designed for easy replacement of components. The air and hydraulic valve is of the plug-in type and are o-ring sealed. Hard nylon coating on the handle and trigger provides an exceptionally smooth surface. Heavy arctic gloves cannot accidentally jam the Deadman control in the "open" position because the trigger is not enclosed. Also, the operator cannot purposely jam the trigger with a screwdriver.

[GTP-2614-1](#)    2 1/4" NPT Pneumatic handle  
[GTP-2614-2](#)    2 1/4" BSP Pneumatic handle  
[GTP-2614](#)     2 1/4" NPT Hydraulic handle



All connection threads are internal.

Dimensions:    1.4 x 3.5 x 7" (35 x 89 x 178 mm)  
 Weight:        3/4 lb (0.34 kg)  
 Material:       Cast aluminum, hard nylon coated

For information regarding Deadman hose, see [Bulletin 78](#).

**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 -3-1-2-1-1-2-3-5-25. THIS MODEL NUMBER DESCRIBES A SINGLE STAGE WATER DETECTION SYSTEM WITH A DEADMAN HANDLE. THE FOLLOWING FEATURES APPLY: 120 VAC, EXPLOSION PROOF, UL LISTED, AND HAS A MINI DEADMAN HANDLE WITH STRAIGHT CORD, NO REEL; WATER DETECTION PROBE IS STANDARD One-CC WITH 3/4 IN. NPT THREADS AND DEADMAN 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

HANDLE TYPE	
1-	MINI
2-	DURA
3-	NO HANDLE
4-	GROUND CLAMP

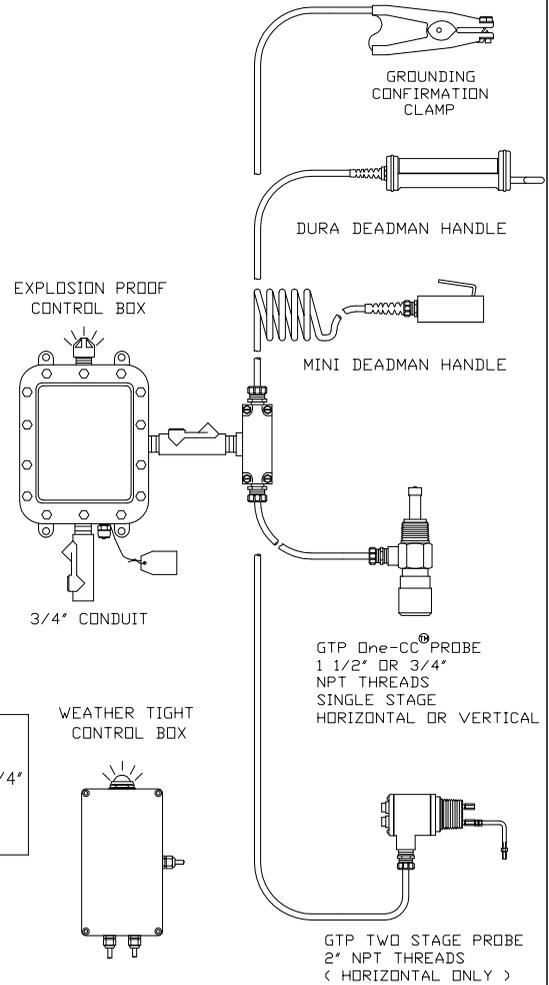
CORD TYPE	
1-	COIL
2-	STRAIGHT
3-	NO CORD

REEL	
1-	STANDARD
2-	HEAVY DUTY
3-	NO REEL

WATER DETECTION PROBE	
0-	TWO STAGE PROBE
1-	SHORT GTP One-CC® PROBE 3/4"
3-	NO PROBE
5-	GTP One-CC® PROBE 3/4"
6-	GTP One-CC® PROBE 1 1/2"

DEADMAN CORD LENGTH IN FEET	
25	

GTP-1750 -X-X-X-X-X-X-X-X-X-X-X



- NOTE:**
- 1- WATER PROBE VERSIONS COME WITH RED INDICATOR LIGHT. LABELED < WATER IN SUMP >
  - 2- WHEN GROUNDING CLAMP IS ORDERED, SYSTEM COMES WITH RED AND GREEN INDICATOR LIGHTS.

**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.

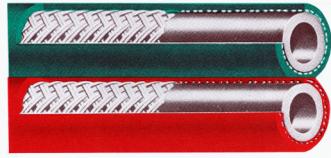
<b>GAMMON TECHNICAL PRODUCTS, INC</b> 2300 HWY. 34 MANASQUAN, NEW JERSEY - U.S.A. 08736		
TITLE: 1750 - NOMENCLATURE		
DRAWN BY MWZ	SCALE	MATERIAL
DATE 09/10/04	SHEET 1 OF 1	DRAWING No. GTP-1750

**DEADMAN HOSE: BOTH HOSES HAVE NEOPRENE CONSTRUCTION, BUNA-N TUBES**

Manufactured to Gammon Technical Products, Inc. specifications, this hose is superior to any available air Deadman hose on the market. It is suitable for all refueling operations.

The tubes are made out of Buna-N (nitrile rubber) to resist fuel from cross-leakage in the control system. The braided, reinforced tubes have neoprene covers to resist oils that contaminate ramp areas. A special additive is included to give the cover superior resistance to cracking.

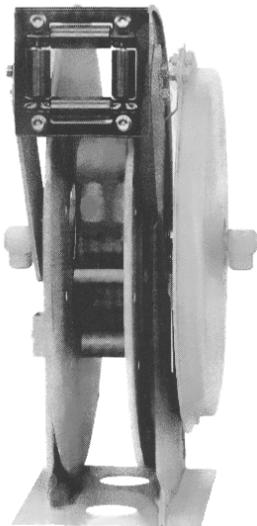
Order model [GTP-1202](#). Available in cut lengths or reels, with or without fittings. For more information, see [Bulletin 78](#).



Operating pressure: 200 psi  
Burst pressure: over 800 psi

**SPRING REWIND DUAL HOSE REEL**

To handle twin deadman hose



**Series N600**  
Shown with roller  
in TR position

Hannay's Series N600 twin Deadman hose reels are spring retractable. They handle 1/4" and 3/8" twin sensing hose in lengths up to 100 feet. Series N600 reels have two swivel joint inlets and two outlet risers to handle twin hose for a sensing control. This reel plays a necessary role in maintaining safety during refueling operations.

**REWIND**

A heavy-duty spring motor provides self-contained rewind power. A non-sparking ratchet assembly locks the reel when the desired length of hose has been played out.

**INLET & OUTLET**

1/2" female NPT threads

**ROLLERS**

All models are supplied with a 4-way roller assembly.

**HOSE STOP**

A hose stop may be used to prevent damage to rollers and Deadman handles.

**SPRING REWIND CABLE REEL**



**Series SCR700**  
Standard  
configuration  
shown

These reels are industrial-duty, long-lasting spring rewind reels. They are equipped with a four-way roller assembly.

**REWIND**

A heavy-duty spring motor provides self-contained rewind power. A non-sparking ratchet assembly locks the reel when the desired length of hose has been played out.

**ROLLERS**

All models are supplied with a 4-way roller assembly.

**CABLE STOP**

A cable stop may be used to prevent damage to rollers and handle and to permit adjustment of free cable.

Please contact us for any additional information if needed.