

# PANELEVELINE™



Octal Socket • Din • Track  
MOUNTING  
Single And Multilevel  
Liquid Level Controls



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**L**umenite's Paneleveline conductivity type point sensing controls are designed specifically for panel builders and contractors. Incorporating the patented Lumenite integrated sensing circuit, these controls provide open board, track, socket and din rail mounting alternatives for space saving panel applications. Each device utilizes the integrated modular design of the industrial control series with only 3 volt a.c. probe sensing voltage, insuring intrinsically safe operation.

**ANY LUMENITE SANITARY OR INDUSTRIAL PROBE ASSEMBLY MAY BE CONNECTED TO A PANELEVELINE CONTROL TO PROVIDE A COMPLETE POINT SENSING LEVEL CONTROL SYSTEM.**

# PANELEVELINE™

## SPECIFICATIONS AND SCHEMATICS FOR PANELEVELINE™ CONTROLS

### OPEN BOARD OR 3" SNAP TRACK MOUNTING

Note : Mounting panel or studs can be substituted for the 3" track



Series : WFLT, WFMFT, WFLTV-TM-201 mounted in 3" snap track.

Dimensions : H 1 5/8", W 3 1/4", L 3 7/8"



Series : WFLT, WFMFT, WFLTV-TM-401 2 relay multi-level control in 3" snap track.

Dimensions : H 1 5/8", W 3 1/4", L 6 3/8"



Series " WFLT, WFMFT, WFLTV-TM-601 3 relay multi-level control in 3" snap track

Dimensions : H 1 5/8", W 3 1/4", L 8 1/8"

# OCTAL SOCKET MOUNTING

Series : WFLT, WFMFT, WFLTV-SM-201 octal socket mounting single or 2 level control.

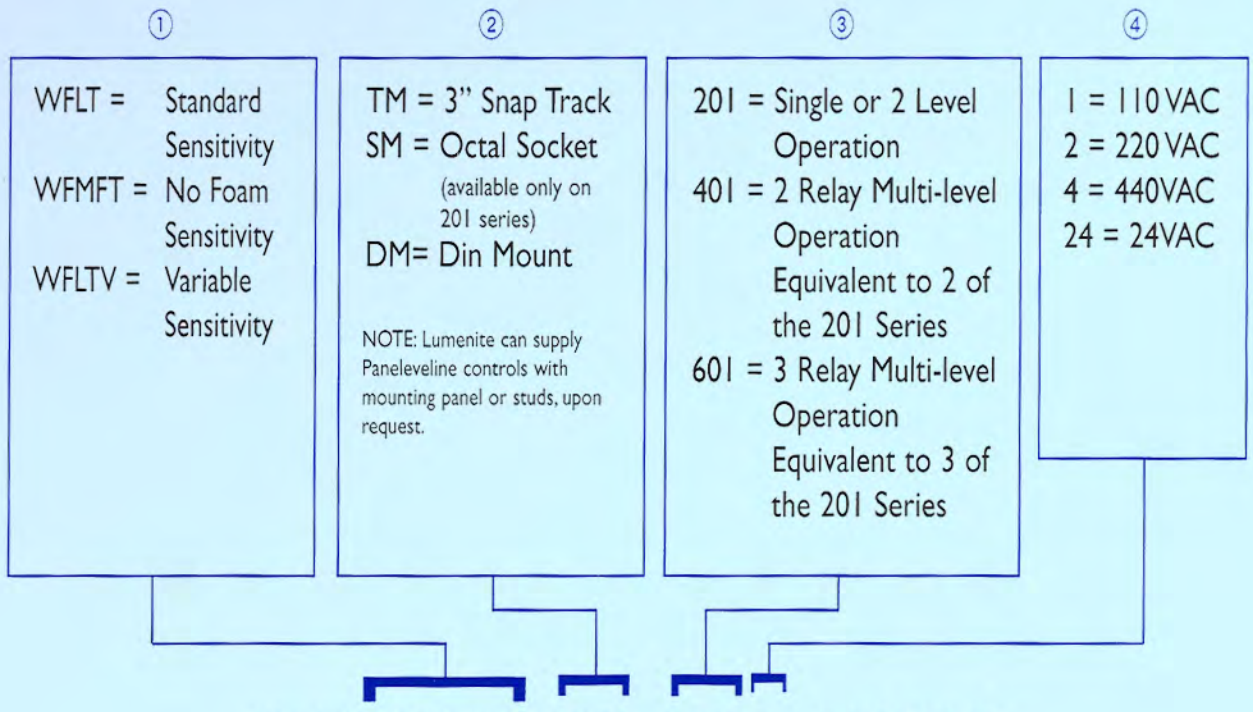
Dimensions : H 5", W 3", D 2"

Shown : WFLTV variable sensitivity unit



# PANELEVELINE™

## FOUR PART MODEL NUMBER



Model WFLTV-DM-401110VAC

Din Rail Mounting 401 Series Level Control with Variable Sensitivity Feature.

## DIN RAIL MOUNTING

Series : WFLT, WFMFT, WFLTV-DM-201 din rail mounting single and 2 level control. (Alternate to 201-TM track mount design and 201-SM socket mount design. )

Dimensions : H 4 3/4", W 2 3/4", L 1 3/4"



Series : WFLT, WFMFT, WFLTV-DM-401 2 relay multi-level din-rail mounting control. (Alternate to 401-TM track mount design.)

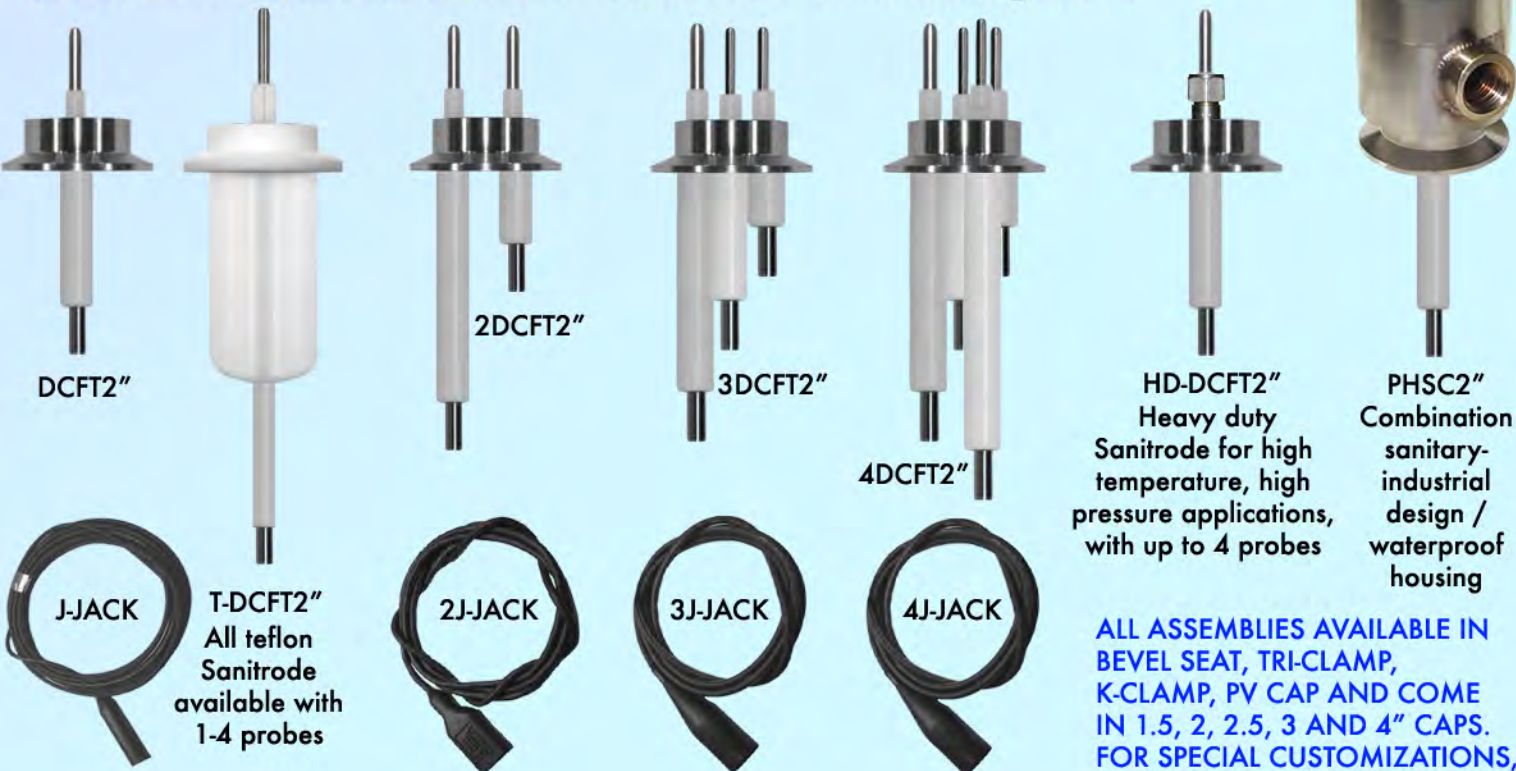
Dimensions : H 4 3/4", W 2 3/4", L 2 7/8"

Series : WFLT, WFMFT, WFLTV-DM-601 3 relay multi-level din rail mounting control. (Alternate to 601-TM track mount design.)

Dimensions : H 4 3/4", W 2 3/4", L 3 7/8"

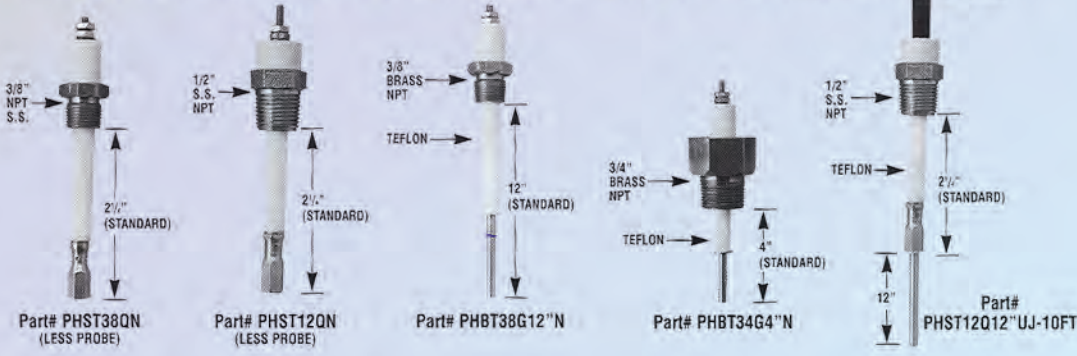


## SANITARY PROBE ASSEMBLIES : Sanitrodes™ With Mating Jacks



ALL ASSEMBLIES AVAILABLE IN BEVEL SEAT, TRI-CLAMP, K-CLAMP, PV CAP AND COME IN 1.5, 2, 2.5, 3 AND 4" CAPS. FOR SPECIAL CUSTOMIZATIONS, PLEASE CONSULT FACTORY.

# INDUSTRIAL SINGLE AND MULTI-PROBE DESIGNS



## SPECIFICATION AND ORDERING CODE

<b>A</b> <b>PROBE HOLDER NPT MATERIAL</b> PHB=Brass NPT tank connection PHS=Stainless Steel NPT tank connection Consult factory for alternate materials	<b>B</b> <b>PROBE HOLDER INSULATION MATERIAL</b> A=Alumina B=Bakelite (Phenolic) T=Teflon	<b>C</b> <b>SIZE OF NPT FITTING</b> 12=1/2" NPT 14=1/4" NPT 34=3/4" NPT 38=3/8" NPT	<b>D</b> <b>PROBE HOLDER PROBE CONNECTION</b> G=INTEGRAL ONE PIECE PROBE Q=Two Piece probe assembly with 1/4-20 female termination to accept separate 1/4-20 male threaded probe.
<b>E</b> <b>PROBE LENGTH</b> Specify solid probes in inches (up to 144 inches) Specify cable probes in feet, no limit	<b>F</b> <b>PROBE INSULATION</b> U=Uninsulated B=Bakelite T=Teflon N=Neoprene for cable probes only	<b>G</b> <b>PROBE TO CONTROL WIRE CONNECTION</b> N=Screw and locknut J=Waterproof jack & cable	<b>H</b> Probe to control cable length. Specify in feet, if using Lumenite cable.

ETC

EXAMPLE: **A** PHS **B** T **C** 38 **D** Q **E** 36" **F** U **G** J **H** 20ft. =

Probe Assembly consisting of a teflon insulated probe holder with 3/8" NPT stainless steel tank connection, female threaded and to accept 1/4"-20-male threaded uninsulated 36" probe, connected to the level control with a waterproof J-jack and 20 ft. cable.  
 \*\*Unless otherwise specified, probes are fabricated from 1/4" diameter 304 S.S. Alternate probe materials include 316 S.S., Hastelloy C, Titanium and others.

## MULTI-PROBE LEVEL DESIGNS



**INDUSTRIAL DUTY DESIGNATION - 3**  
 Polycarbonate or stainless steel NEMA 4x waterproof and corrosion resistant probe holders, with polycarbonate or stainless steel 150# or 300# flanges, for up to 10 solid probes or 15 cable probes. 500°F temperature rating when equipped with solid probes, stainless steel housing and flange.

Part# PHS-43CSU 12,18,24"  
 Part# PHS-44DST 12,18,24,36"  
 Part# PHP-45CPN 1,2,3,4,5'



<b>A</b> <b>PREFIX AND NEMA 4x HOUSING MATERIAL</b> PHP=Polycarbonate PHS=Stainless Steel	<b>B</b> <b>DUTY DESIGNATION NUMBER</b> 1=Polycarbonate or stainless steel NPT plug-no housing 2=Polycarbonate or stainless steel general purpose housing 3=Same as Designation 2 but with flange tank connection 4=Same as Designation 2 but with NPT tank connection	<b>C</b> <b>NUMBER OF PROBES</b> 1 or more	<b>D</b> <b>FLANGE OR NPT SIZE WHEN APPLICABLE</b> A=1-1/2" NPT B=2" NPT C=2-1/2" NPT D=3" NPT E=3" Flange F=4" Flange G=6" Flange	<b>E</b> <b>FLANGE OR NPT MATERIAL WHEN APPLICABLE</b> P=Polycarbonate flange or NPT plug S=Stainless flange or NPT plug	<b>F</b> <b>FLANGE RATING WHEN APPLICABLE</b> 15-150 lbs. 30-300 lbs.
<b>G</b> <b>PROBE INSULATION</b> U=Uninsulated B=Bakelite T=Teflon N=Neoprene for cable probes only		<b>H</b> <b>PROBE LENGTH</b> Solid probes in inches up to 144. Cable probes in feet, no limit		<b>I</b> Probe to Control cable length if using Lumenite cable (Feet)	

NOTE: For duty designation 1 omit the prefix, and begin the part number with category "B".

EXAMPLE: **A** PHS **B** 3 **C** 4 **D** E **E** S **F** 15 **G** T **H** 12", 18", 24", 36" **I** 30ft. =

**INDUSTRIAL DUTY DESIGNATION - 4**  
 Polycarbonate or stainless steel NEMA 4x waterproof and corrosion resistant probe holders, with polycarbonate or stainless steel NPT tank connection, for up to 8 solid or cable probes. Temperature/Pressure rating of 250°F/2000PSI when equipped with alumina insulated series probes, mounted through stainless steel housing.

