THERMAL DISPERSION FLOW SWITCH Nor-Melihamical, Iow Peresurie Crop, Large Pipe Sires


TDFS2-2-P-06


TDFS2-1-P-06
TDFS2-2-P-06
The Series TDFS2 Thermal Dispersion Flow Switch is a thermal flow switch that indicates whether the flow rate is above or below a user set flow rate. The unit incorporates two LED status indicators providing visual switch indication. The set flow rate (setpoint) is easily field adjustable with included magnet and the unit has both NO and NC NPN outputs.

## FEATURES/BENEFITS

- Better reliability and life expectancy than mechanical flow switches with no paddles or vanes to wear or break, no jams in the paddle movement, and no seals on movement assembly to wear or leak
- Not affected by empty pipe as it avoids overheating by actively heating above the process temperature and then cooling down to process temperature
- Low pressure drop; only needs to be inserted $10 \%$ into the flow (e.g. $1 / 8^{\prime \prime}$ for $3 / 4^{\prime \prime}$ schedule 40 pipe)


## APPLICATIONS

- Boiler flow proving
- Hot water heaters
- Chillers
- Liquid transfer systems

| MODEL CHART |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Example | TDFS2 | -1 | -C | -06 | -BSPT | TDFS2-1-C-06-BSPT |
| Series | TDFS2 |  |  |  |  | Thermal dispersion flow switch |
| Pipe Size |  | $\begin{array}{\|l} \hline 1 \\ 2 \\ \hline \end{array}$ |  |  |  | $1 / 2$ to $1-1 / 2^{\prime \prime}(15$ to 40 mm ) pipe sizes 2 to $10^{\prime \prime}$ ( 50 to 250 mm ) pipe sizes |
| Electrical Connection* |  |  | $\begin{array}{\|l\|} \hline \mathrm{C} \\ \mathrm{~B} \\ \hline \mathrm{P} \\ \hline \end{array}$ |  |  | 1/2" female NPT with PVC cable for conduit connection Cable gland with burial rated cable Cable gland with PVC jacketed cable |
| Cable Length |  |  |  | X |  | Cable length (ft.) |
| Options |  |  |  |  | BSPT | 1/2" BSPT process connection |

