Appendix E. CE Conformance

Approved CE marking FLT Series FlexSwitch Configurations

Approved Options

1) all process temperature ranges

2) all metallic sensor elements

3) all process connections and flanges

4) all insertion U-lengths

5) aluminum and 300 series stainless steel NEMA 4X local and remote enclosures

6) all specified application combinations

7) all cable jackets and lengths

8) 115/230 VAC power input.

Approved Part Numbers

	General			Sensing Element						Control Circuit						
	1	2		3	4	5	6	7	8	9	10	11	12	13	14	15
FLT93-S or FLT93-F	3		–						C D E	1 or 2				0 A B C D		

All options conform to CE marking Requirements.

X Y X or Y options only conform to CE

All other configurations must be approved for CE marking conformity by FCI's Engineering Department.

Conditionally Approved CE marking FLT Series FlexSwitch Configurations

24 VAC and 24 VDC Field/Factory Selectable Options

Input power of 24 VAC and 24 VDC may be optionally selected. Since the manufacturer does not supply the power source or transformer for these connections, the responsibility for the conditioning of these sources and associated compliance to the EMC Directive shall be the responsibility of the User.

Panel Mounted Control Circuit Options

The models included in this family may be supplied with panel mounted (code F block 13 as derived from the above diagram) control circuit boards. Since the manufacturer does not supply an EMC enclosure for these configurations, the associated compliance to the EMC Directive shall be the responsibility of the User.

INSTALLATION CONFORMITY CRITERIA

Grounding

All enclosures must be grounded to earth ground through a path of less than 1 ohm.

Interconnecting Cables

All interconnecting cables between the FlexSwitch local enclosure, remote enclosure, power source and monitoring device shall be enclosed in metal conduit. AC power input cabling shall be enclosed separately in conduit for entrance into the FlexSwitch and is not to be combined with switch or monitor output cabling.

Standard ESD Precautions

Use standard ESD precautions when opening an instrument enclosure or handling the FlexSwitch. FCI recommends the use of the following precautions: Use a wrist band or heel strap with a 1 megohm resistor connected to ground. If the instrument is in a shop setting there should be static conductive mats on the work table and floor with a 1 megohm resistor connected to ground. Connect the instrument to ground. Apply antistatic agents to hand tools to be used on the instrument. Keep high static producing items away from the instrument such as non-ESD approved plastic, tape and packing foam.

The above precautions are minimum requirements to be used. The complete use of ESD precautions can be found in the U.S. Department Of Defense Handbook 263.

Location of CE mark documentation (European Location)

The technical documentation file part A resides at Fluid Components Intl, European Service Center, Persephonestraat 3-01 5047 TT Tilburg - The Netherlands - Phone 31-13-5159989 - Fax 31-13-5799036

Location of CE mark documentation (Manufacturer Location)

The technical documentation file part B resides at the Configuration Management department of Fluid Components Intl, 1755 La Costa Meadows Dr. San Marcos, Ca 92069 USA.