

# DM20

## Miniature, Low Cost, LCD, Electronic Counter

### Features

- UL, CSA Listed, CE Certified
- 8 Digits Standard
- Meets NEMA 4X and IP65 Ratings
- Long Life Lithium Battery
- 10 kHz Count Speed
- Slow Speed Input for Contact Closures
- High Speed Input for Sinking Inputs from a Max. of 18VDC Without Module

### Description:

These are small, lithium battery powered, totalizing counters that are panel mounted. The counters are designed as replacements for standard electro-mechanical counters. They use the latest custom CMOS technology and incorporate an 8 digit, 0.276" high, LCD display.

The DM20 operates from a long life lithium battery (life 10 years) and can be operated from contact closure or high speed electronic devices. No separate alkaline batteries are required. The front reset button can be disabled if desired. Connections are via screw terminals. When installed, with the gasket provided, the unit meets NEMA 4X/IP65 ratings from the front.

### Specifications:

**Power:** Internal lithium battery

**Display:** 8 digit black LCD, Digit size 0.276" (7mm) high



## FCI FLUID COMPONENTS INTERNATIONAL LLC

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**Reset:** Panel or remote

**Temperature Range:** 14 to 140°F (-10 to 60°C)

**Signal Input:**

**Common (Pin 1)**

**Manual Reset Enable (Pin 2)**

Link to Common to enable front panel reset key

**External Reset (Pin 3)**

Contact closure/open collector neg. edge triggered, 0.7V threshold, minimum pulse length 15mS.

**Slow Speed Count Input (Pin 4)**

Contact closure/open collector, minimum pulse length 15mS, 30Hz max. negative edge triggered,

Low: < 0.7V,

High: 3 to 18 V or open.

**High Speed Count Input (Pin 5)**

**Use for FCI ST50 and ST75 pulse output**

Open collector input, 10KHz max., min. pulse length 50µS. negative edge triggered,

Low: < 0.7V,

High: 3 to 18 V or open.

TTL/CMOS compatible.

**Approvals:** UL File: E135458, CSA File: LR9602, CE Approved

**Material:** ABS Plastic.

**Battery Life:** 10 years (calculated)

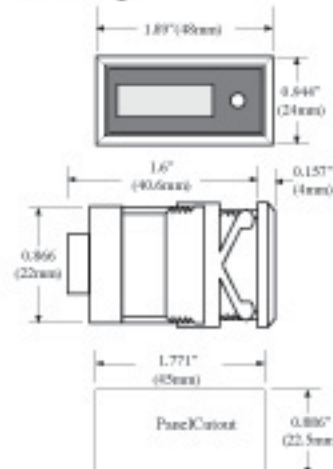
**Sealing:** Front Panel (without adaptors) sealed to NEMA 4X/IP65 when used with clip mount and gasket provided.

**Mounting Adaptors:** DM20-DP1x2 for 1" x 2" cutout and DM20-DP1 for screw mount are supplied.

### Terminal Block (TB) Adaptor Connections

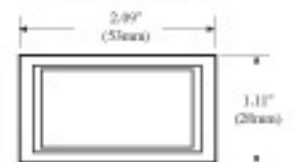


### Mounting:



### Adaptors (included)

#### DM20-DP1X2



#### DM20-DP1

