

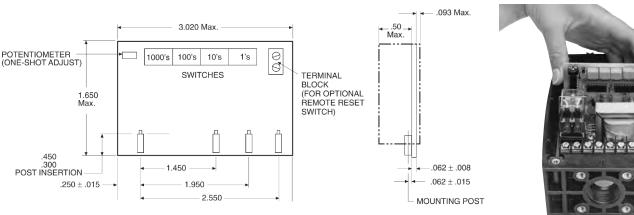
# MCS-833 2 Decade Counter, MCS-834 4 Decade Counter Plug-In Modules for MCS-165 Series

- P-241-81 819-0502

#### **Outline Diagram**

## Installation Instructions

**AWARNING** Failure to follow these instructions may result in product damage, equipment damage, and serious or fatal injury to personnel.



#### Specifications

Mounting:	Plug-in, mates directly with connector on photo electric ampifier board.
Electrical:	Pin No. Function In Counter input Out Counter input (one-shot) + +15VDC input - Return (ground)
Timing Control:	Potentiometer, adjustable
Weight:	1 oz.
Ambient Temperature	0-125°F. (-18 - +52°C)
Counting Range:	MCS-833 1-99 MCS-834 1-999
Max. Count Input:	300 Counts/sec.
One-Shot:	Timing Range— 0.1 to 0.5 sec. Reset time—1 millisecond
Part Number MCS-833: MCS-834:	7400-448-021 7400-448-022

### Operation

Warner Electric MCS-833 and MCS-834 counters are optional plug-in modules which modify the basic on-off photo-electric control operation. With the module installed, the photoelectric control will have a one-shot output after receiving a presettable number of inputs. The maximum continuous counting rate will be limited by the one-shot time and can be expressed by the formula:

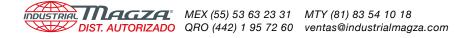
Counting rate < Preset count One-shot time

To maximize the continuous counting rate, adjust the one-shot time to the minimum acceptable for the application.

The mode of operation will be effected by the "light/dark" switch in the photoelectric control. Objects are counted as they enter the photoelectric beam regardless of light or dart operational modes.

#### Installation

The photoelectric amplifier board is provided with a connector to accept the counter module. simply insert the counter, set the desired count, and adjust the one-shot output potentiometer. A terminal block is provided for an optional external reset switch. The switch, if used, should be an SPST, N.O., momentary type. This switch can reset the counter at any time in the count-ing cycle.



### Warranty

Warner Electric LLC warrants that it will repair or replace (whichever it deems advisable) any product manufactured and sold by it which proves to be defective in material or workmanship within a period of one (1) year from the date of original purchase for consumer, commercial or industrial use.

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A purchase receipt or other proof of original purchase will be required before warranty service is rendered. If found defective under the terms of this warranty, repair or replacement will be made, without charge, together with a refund for transportation costs. If found not to be defective, you will be notified and, with your consent, the item will be repaired or replaced and returned to you at your expense.

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