

KEISU

Electromagnetic Counter

E Series

MANUAL RESET COUNTERS FOR INDUSTRIAL AUTOMATION USE



E-14P



E-15Y



E-16RL



E-14Y



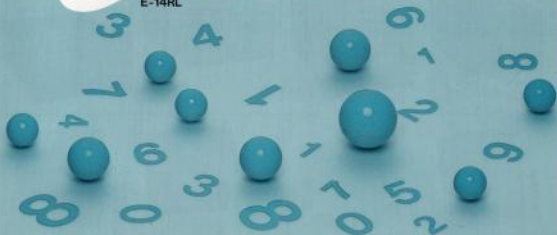
E-16Y



E-14RL



E-16P



E Series

MANUAL RESET COUNTERS (3, 4, 5 & 6 DIGITS)

FEATURES

- Standard Size, Economy Type
- Compact and Lightweight
- High Reliability
- Service Life : 30,000,000 counts
- Max. Count Speed : 10 CPS
- Low Power Consumption
- Wide Range of Rated Voltages : (DC : 5-100V) (AC : 24~230V)
- Types of Mounting : 4



E-13R



E-14R



E-15R



E-16R



E-13P



E-14P



E-15P



E-16P



E-13Y



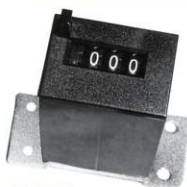
E-14Y



E-15Y



E-16Y



E-13RL



E-14RL



E-15RL



E-16RL

APPLICATIONS

Industrial Machines

- e.g.,
- * Plastic Injection Machines
- * Punching Machines
- * Printing Machines
- * Packaging Machines
- * Textile Machines
- * Machine Tools
- * Food Machinery
- * Cloth Cutting Machines

Medical Equipment

- * Business Machines
- * Automatic Vending Machines
- * Amusement and Coin-operated Gaming Machines

NOTE: Never attempt to reset the counter during counting

SPECIFICATIONS AND WEIGHTS

RESET SYSTEM		Manual Reset (Push Button Reset)															
MOUNTING TYPE		Rear Panel				Panel				Front Panel				Base			
MOUNTING SYSTEM		Screw-in				Screw-in				Clip-on				Screw-in			
MODEL NO.		E-13R	E-14R	E-15R	E-16R	E-13P	E-14P	E-15P	E-16P	E-13Y	E-14Y	E-15Y	E-16Y	E-13RL	E-14RL	E-15RL	E-16RL
NUMBER OF DIGITS		3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6
CONSTRUCTION DIMENSION AND COLOR OF DIGIT		(L) 4 × (W) 2.5mm White number on black ground															
MATERIAL OF CASE		ABS resin in black color															
CONNECTION		Lead wire, UL1007, AWG22, Approx. 250mm long (Standard)															
RATINGS																	
RATED	DC	5 to 100VDC (e.g., 5, 6, 12, 24, 48, 100VDC)															
VOLTAGE	AC	24 to 230VAC (e.g., 24, 48, 110, 115, 220, 230VAC, 50/60Hz)															
OPERATING VOLTAGE RANGE		90 to 110% of rated voltage															
POWER	DC	1.7 to 2.4 W (See back cover)															
CONSUMPTION	AC	2.1 to 4.6 VA (" " " ")															
ON TIME RATING		Continuous															
PULSE COUNTING	DC	Min. 50ms "ON", 50ms "OFF"															
	AC																
MAX. COUNT SPEED		10 CPS															
ALLOWABLE RIPPLE RATIO	DC	Less than 48%															
	AC	—															
COUNTING TYPE		Addition (Totalizing counter)															
COUNT INPUT		Contact (Pulse)															
CHARACTERISTICS																	
AMBIENT TEMPERATURE	OPERATING	-10°C to +40°C (without dewing)															
	STORAGE	-25°C to +65°C (" ")															
HUMIDITY		35% to 85% RH (" ")															
DIELECTRIC STRENGTH (WITHSTAND VOLTAGE)		1,500VAC, 50/60Hz for 1 minute															
RESISTANCE INSULATION		100 MΩ min. (at 500VDC)															
SHOCK		Mechanical durability : 300m/sec ² (approx. 30G's)															
		Malfunction durability : 50m/sec ² (approx. 5G's)															
VIBRATION		Mechanical durability : 16.7Hz, 4.0mm (double amplitude)															
		Malfunction durability : 10 to 55Hz, 0.5mm (" ")															
SERVICE LIFE		30,000,000 counts															
STANDARD COUNT SETTING AT SHIPMENT		Zero (0) ± 50 counts															
NET WEIGHT (APPROX. GRAM)	DC	71		85		74		88		72		86		93		97	
	AC	78		92		81		95		79		93		100		104	

*When ordering, specify the required rated voltage for either DC or AC of each model; e.g., E-16Y-220VAC

TECHNICAL DATA

●POWER CONSUMPTION

(APPROX.)

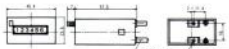
DC	VOLTAGE	Amp.	Wattage	AC	VOLTAGE	Amp.	Wattage
	5V	357mA	1.8W		24V	146mA	3.5VA
	6V	353mA	2.1W		48V	74mA	3.6VA
	12V	163mA	2.0W		110V	19mA	2.1VA
	24V	72mA	1.7W		115V	19mA	2.1VA
	40V	49mA	2.0W		120V	19mA	2.1VA
	48V	41mA	2.0W		220V	21mA	4.6VA
	100V	24mA	2.4W		230V	17mA	3.9VA

DIMENSIONS AND PANEL CUTOUT IN MILLIMETERS

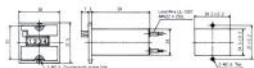
E-13R, E-14R (COMMON)



E-15R, E-16R (COMMON)



E-13P, E-14P (COMMON)



E-15P, E-16P (COMMON)



E-13Y, E-14Y (COMMON)



E-15Y, E-16Y (COMMON)



E-13RL, E-14RL (COMMON)



E-15RL, E-16RL (COMMON)



●All dimensions shown in this page are in units of millimeters.

To convert millimeters into inches, multiply by 0.03937.

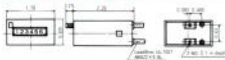
To convert grams into ounces, multiply by 0.03527.

DIMENSIONS AND PANEL CUTOUT IN INCHES

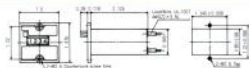
E-13R, E-14R (COMMON)



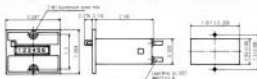
E-15R, E-16R (COMMON)



E-13P, E-14P (COMMON)



E-15P, E-16P (COMMON)



E-13Y, E-14Y (COMMON)



E-15Y, E-16Y (COMMON)



E-13RL, E-14RL (COMMON)



E-15RL, E-16RL (COMMON)

