

KEISU

Electromagnetic Counter

E Series

MANUAL RESET COUNTERS FOR INDUSTRIAL AUTOMATION USE



E-14P



E-15Y



E-16RL



E-14Y



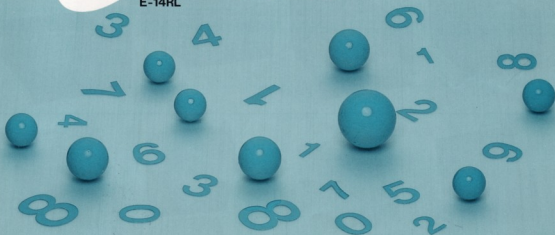
E-16Y



E-14RL



E-16P

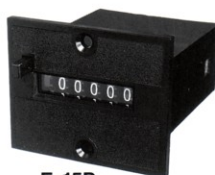
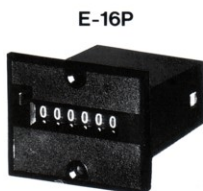
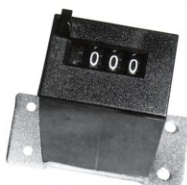


E Series

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

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, UL-1007, AWG22, Approx. 250mm long (Standard)													
RATINGS																		
RATED VOLTAGE		DC		5 to 100VDC (e.g., 5, 6, 12, 24, 48, 100VDC)														
		AC		24 to 230VAC (e.g., 24, 48, 110, 115, 220, 230VAC, 50/60Hz)														
OPERATING VOLTAGE RANGE					90 to 110% of rated voltage													
POWER CONSUMPTION		DC		1.7 to 2.4 W (See back cover)														
		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℃ to + 40℃ (without dewing)														
		STORAGE		-25℃ to + 65℃ (// //)														
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

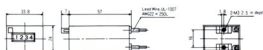
●POWER CONSUMPTION

(APPROX.)

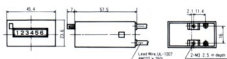
DC	VOLTAGE	Amp.	Wattage	AC	VOLTAGE	Amp.	Wattage
	5V	357mA	1.8W		24V	146mA	3.5VA
	6V	353mA	2.1W		48V	74mA	3.6VA
	12V	163mA	2.0W		110V	19mA	2.1VA
	24V	72mA	1.7W		115V	19mA	2.1VA
	40V	49mA	2.0W		120V	19mA	2.1VA
	48V	41mA	2.0W		220V	21mA	4.6VA
	100V	24mA	2.4W		230V	17mA	3.9VA

DIMENSIONS AND PANEL CUTOUT IN MILLIMETERS

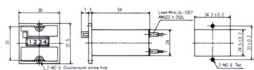
E-13R, E-14R (COMMON)



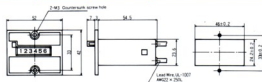
E-15R, E-16R (COMMON)



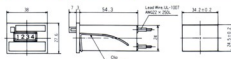
E-13P, E-14P (COMMON)



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



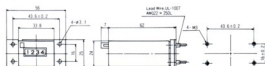
E-13Y, E-14Y (COMMON)



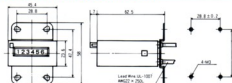
E-15Y, E-16Y (COMMON)



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



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



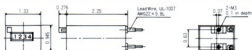
●All dimensions shown in this page are in units of millimeters.

To convert millimeters into inches, multiply by 0.03937.

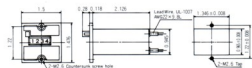
To convert grams into ounces, multiply by 0.03527.

DIMENSIONS AND PANEL CUTOUT IN INCHES

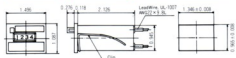
E-13R, E-14R (COMMON)



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



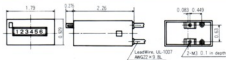
E-13Y, E-14Y (COMMON)



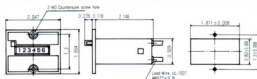
E-13RL, E-14RL (COMMON)



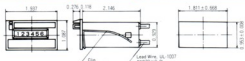
E-15R, E-16R (COMMON)



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



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



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

