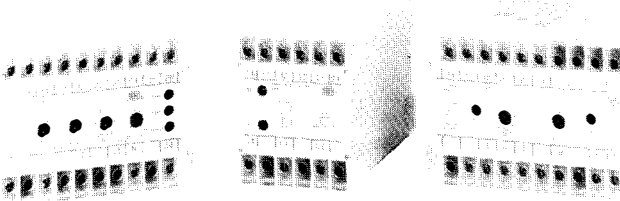


BE3 SERIES MONITORING RELAYS



MODEL NUMBER	TYPE	INSTRUCTION MANUAL	PRODUCT BULLETIN
BE3-25	Sync-Check	9319100990	ULA
BE3-27	Under Voltage	9319200990	ULB
BE3-27T	Under Voltage with Time Delay	9319500990	ULC
BE3-27/59	Over/Under voltage	9319200990	ULB
BE3-27T/59T	Over/Under Voltage with Time Delay	9319500990	ULC
BE3-32	Reverse Power	9319800990	ULD
BE3-37	Under Current	9319900990	ULE
BE3-37/51	Under/Over Current	9319900990	ULE
BE3-47	Phase Sequence	9320200990	ULF
BE3-47N	Phase Balance	9320300990	ULG
BE3-47N/27	Phase Balance with Undervoltage	9320300990	ULG
BE3-49R (3 RTD)	Temperature Relay	9320500990	ULH
BE3-49R (6 RTD)	Temperature Relay	9320500991	ULI
BE3-49TH	Thermocouple Overtemperature	9320600990	ULJ
BE3-49TL	Thermocouple Undertemperature	9320600990	ULJ
BE3-51	Overcurrent	9319900990	ULE
BE3-59	Overvoltage	9319200990	ULB
BE3-59T	Overvoltage with Time Delay	9319500990	ULC
BE3-74SL	Millivolt Undervoltage	9320800990	ULN
BE3-74SH	Millivolt Overvoltage	9320800990	ULN
BE3-74SD	Millivolt Under/Overvoltage	9320800990	ULN
BE3-74TL	Milliamp Undercurrent	9321100990	ULO
BE3-74TH	Milliamp Overcurrent	9321100990	ULO
BE3-74TD	Milliamp Under/Overcurrent	9321100990	ULO
BE3-74VL	DC Undervoltage	9321400990	ULP
BE3-74VH	DC Overvoltage	9321400990	ULP
BE3-74VD	DC Under/Overvoltage	9321400990	ULP
BE3-81O	Over Frequency	9321500990	ULL
BE3-81U	Under Frequency	9321500990	ULL
BE3-81O/U	Over/Under Frequency	9321500990	ULL
BE3-81OT	Over Frequency with Time Delay	9321800990	ULM
BE3-81UT	Under Frequency with Time Delay	9321800990	ULM
BE3-81OT/UT	Over/Under Frequency with Time Delay	9321800990	ULM

Basler Electric

ROUTE 143, BOX 269 HIGHLAND, ILLINOIS 62249, U.S.A. PHONE 618-654-2341 FAX 618-654-2351

ULX-3
7-01

FEATURES

Basler Electric BE3 Series Monitoring Relays provide a wide range of functions demonstrating the following common features:

PHYSICAL SPECIFICATIONS

Operating temperature	0°C to +60°C (+32°F to +140°F)
Functional temperature	-25°C to +70°C (-13°F to +158°F)
Storage temperature	-40°C to +70°C (-40°F to +158°F)
Temperature coefficient	0.03% per °C (300ppm/°C)
Relative humidity	95% non-condensing
Mounting	DIN rail 1.38" by 0.29" (35mm by 7.5mm) See page 4 for details.
Case	Complies with IEC 529, DIN 40050, BS 5490
Weight	Combined units: 1.32 lbs. (0.6 kg) Single unit: 0.88 lbs. (0.4 kg)
Size	See chart on page 3.
Case material	Complies with UL 94VO

ELECTRICAL SPECIFICATIONS

U.L. Listed, CSA Certified, C.E. Compliant

INPUT

All units are self powered. Nominal voltage: 120 Vac, 240 Vac, 380 Vac, 480 Vac. For other nominal voltages, contact Basler Electric.

Nominal current 5 amperes

INSULATION

Test voltage	4kV RMS 50Hz 1 min. between Input/Case/Auxiliary
Impulse Test	EMC 5kV transient complying with IEC 801/EN55020
HF Interference	EHF 2.5kV 1MHz complying with IEC 255-4
Protection class	II complying with IEC 348

APPLIED STANDARDS

General	IEC144, BS5420, VDE/VDI0435, IEC947, EN60947
Safety	BS EN61010, DIN57411, VDE0411, ANSI C37
Surge withstand	IEC801/EN55020, ANSI C37-90a
Radio screening	RFI degree N complies with VDE0875

OUTPUT

Relay Type	D.P.D.T. (typical)
AC Rating	250V, 5A, non-resistive, 1200VA
DC Rating	125V, 1A, resistive, 120 Watts
Mechanical Life	5 million operations

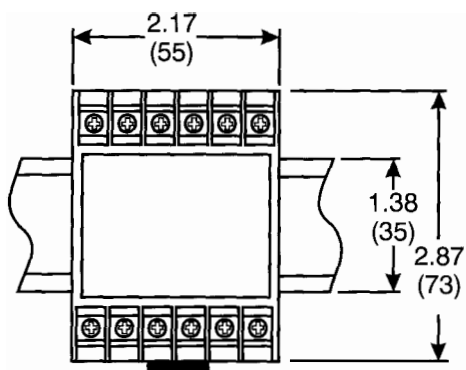
TYPICAL APPLICATIONS

APPLICATION	DEVICE NUMBER*													
	27	59	37	51	81U	81O	32	25	47	47N	74S	74T	49T	49R
Motor Devices	X	X	X	X	X				X	X	X	X	X	X
Generator Devices	X	X		X	X	X	X	X			X	X	X	X
Distribution Devices	X	X		X	X	X			X	X	X	X		
Transformer Devices	X	X		X					X	X	X	X	X	X
Process Control Devices			X								X	X	X	
Auto. Transfer Devices	X		X						X	X				

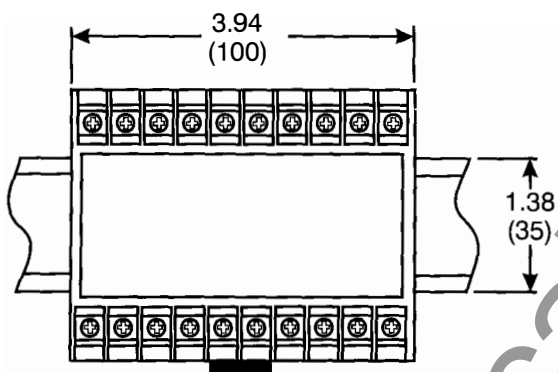
* ANSI/IEEE Device Numbers form an integral part of the Basler Electric Model Number.

CASE DIMENSIONS

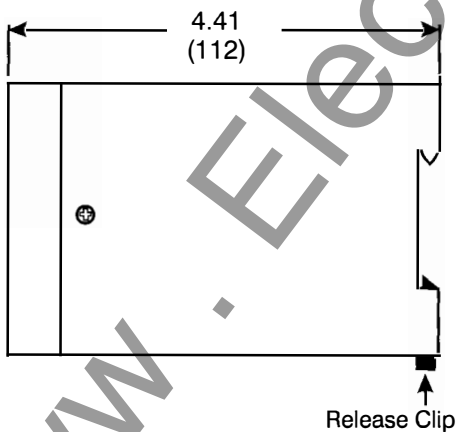
FRONT VIEW



FRONT VIEW



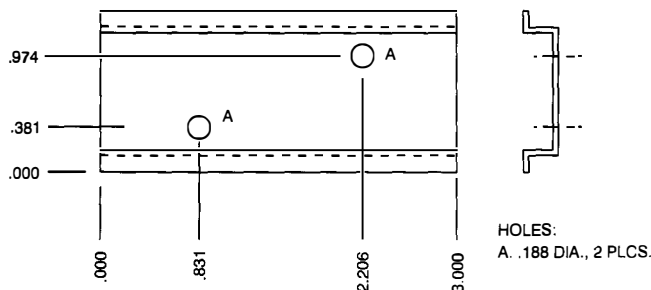
SIDE VIEW



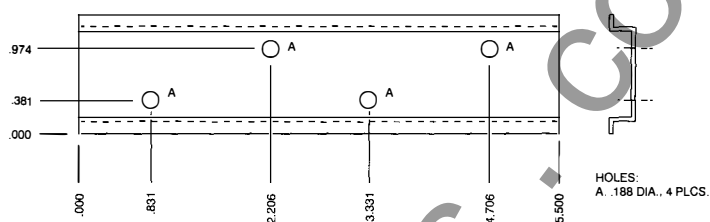
MODEL NUMBER	CASE SIZE IN MILLIMETERS	CASE SIZE IN INCHES
BE3-25	100	3.94
BE3-27	55	2.17
BE3-27T	55	2.17
BE3-59	55	2.17
BE3-59T	55	2.17
BE3-27/59	100	3.94
BE3-27T/59T	100	3.94
BE3-32	100	3.94
BE3-37 1PH	55	2.17
BE3-37 3PH	100	3.94
BE3-51 1PH	55	2.17
BE3-51 3PH	100	3.94
BE3-37/51 1PH	100	3.94
BE3-47	55	2.17
BE3-47N	55	2.17
BE3-47N/27	55	2.17
BE3-49R	100	3.94
BE3-49TH/TL	55	2.17
BE3-74SL	55	2.17
BE3-74SH	55	2.17
BE3-74SD	100	3.94
BE3-74TL	55	2.17
BE3-74TH	55	2.17
BE3-74TD	100	3.94
BE3-74VL	55	2.17
BE3-74VH	55	2.17
BE3-74VD	100	3.94
BE3-81U	55	2.17
BE3-81UT	55	2.17
BE3-81O	55	2.17
BE3-81OT	55	2.17
BE3-81O/U	100	3.94
BE3-81OT/UT	100	3.94

NOTE: Dimensions shown are in inches (millimeters).

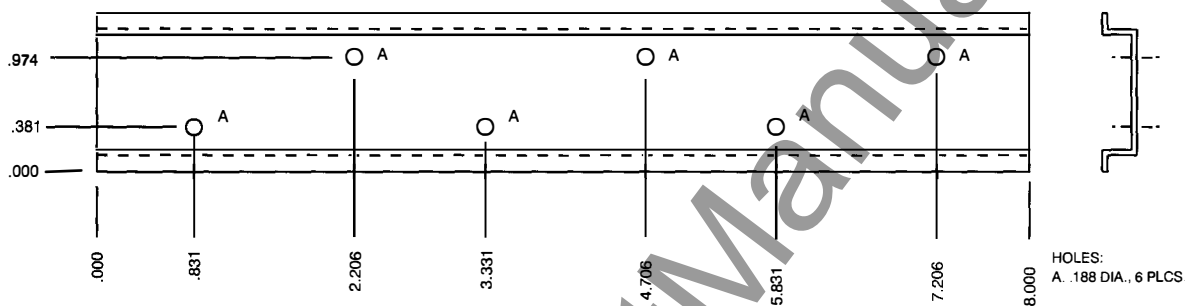
MOUNTING ACCESSORIES



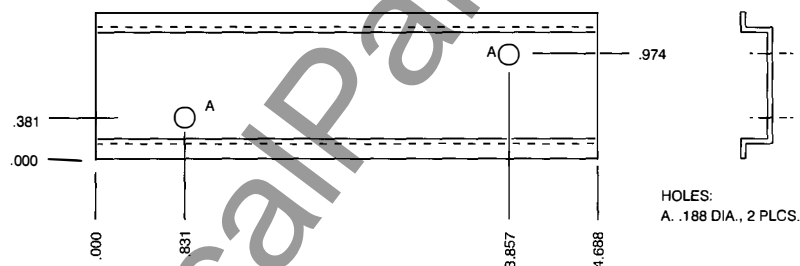
Mounting Rail, Basler P/N 9 3239 00 001



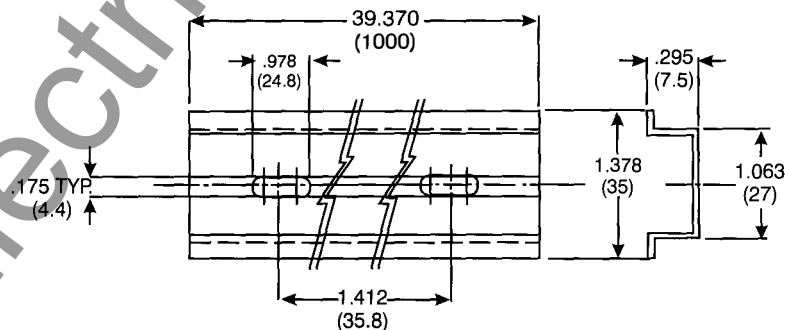
Mounting Rail, Basler P/N 9 3239 00 002



Mounting Rail, Basler P/N 9 3239 00 003



Mounting Rail, Basler P/N 9 3239 00 004



Standard DIN Rail, Basler P/N 17366

Rail end stops are also available. Use Basler P/N 32095.

B Basler Electric



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