

Reference Only - Call for Suitable Replacements

Beede Analog Meter Relays

MR4—Versatile Relay in Rugged Housing for Hostile Environments

- Display: Analog Pointer Style
- Case Size: Available in 3- or 4-Inch Case
- Optical, Noncontacting Setpoints
- Solid-State Optics—Completely Immune to Ambient Light
- Long-Life, Solid-state, Infrared LED Light Source
- Setpoint Control Knobs Designed for Rough Handling
- Optional, Remote Mounted Relays
- Available with High-Impact Resistant, Noryl Resin Cover or Clear Lexan
- Single or Dual Setpoints
- Wide Variety of Relay Logic Available

ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.
Order Example: MR4-23-07-0/5 AAC-B-04-FS(0-150 AC Amperes)

Model Table A	Range/Scale Table B	Options Table C
Table A	Model	Style
3-Inch	MR4-13-07	Centurion
	MR4-23-07	Centurion
	MR4-13-13	QA-Lexan
	MR4-23-13	QA-Lexan
4-Inch	MR4-14-07	Centurion
	MR4-24-07	Centurion
	MR4-14-13	QA-Lexan
	MR4-24-13	QA-Lexan
	MR4-14-05	Motor Load
	MR4-24-05	Motor Load
Table B	Standard Ranges	
AC Milliamp	0-50 mAAC, 0-100 mAAC, 0-500 mAAC	
AC Amperes	0-1 AAC, 0-2.5 AAC, 0-5 AAC	
AC Volts	0-150 VAC, 0-300 VAC, 0-600 VAC	
Frequency	45-55 Hz, 46-65 Hz, 55-65 Hz	
AC Motor Load**	Adjustable from 0.5 AAC to 7.5 AAC	
Table C (Options)	Single Setpoint	Double Setpoint
Power, 12 VDC to 24 VDC	A-01	A-01
Power, 11 VAC to 30 VAC	A-06	A-06
Relay Logic, High-High	—	B-02
Relay Logic, Low-Low	B-04	B-04
Relay Logic, Delayed	B-05	B-05
Relay, Dual Setpoint DPDT		C-21
Relay, Delayed Latch*	H-10	H-12
Alarm Lights*	D-01	D-03
Manual Reset Switch*	D-04	D-05
Setpoints, Screwdrive Adjust*	F-01	F-01
Terminal Safety Cover	F-07	F-07
Dustproof & Splashproof Resistant	F-10	F-10

* Per Setpoint

** MR2 Style, 4-Inch Only

S Standard (Input Range and Scale are the Same)

FS Factory Scaling (custom-specify scaling)



MR4 ▲

SPECIFICATIONS

Display	Analog pointer style
Power	115/230 VAC @ 47 Hz-63 Hz, 12V-24 VDC optional
Accuracy	±2% of full scale
Coincidence	±1% of operating span
Operating Temperature	-20°F-165°F
Relays	5A @ 115V-230 VAC, gold-plated contacts Single setpoint 1 DPDT Dual setpoint 2 SPDT
Failsafe Logic Mode	Standard
Size	
Centurion Type (Noryl Resin)	
3-inch	3.13" H x 3.24" W x 5.245" D
4-inch	4.21" H x 5.03" W x 5.245" D
QA Type (Clear Lexan)	
3-inch	2.90" H x 3.73" W x 5.58" D
4-Inch	4.07" H x 5.19" W x 5.58" D
AC Milliamp	0-50, 0-100, 0-500
AC Volts (Rectified)	0-150, 300 or 600
AC Motor Load Current	0.5A-7.5A
AC Current	0-1, 0-5, 0-10
Frequency	55 to 65 Hz