

SYR-LINE Discover a new world
More power... slim size!

BM1R
BM2R
BL1R
BL2R
BA1R
BA2R



2x8A
DOUBLE
OUTPUT

16A
SINGLE
OUTPUT



DISCOVER THE MOST **POWERFUL** TIMERS



ABOUT **SYR-LINE**

The new specialized range at Crouzet, aimed to satisfy the most unique requirements of your applications by innovating in design, engineering and development.

Meet the first member of the Syr-Line range:

The 17.5 mm Analog Timers, a new family of 6 timers with higher power of 16 A and double output of 8 A, with all the classic functions and 2 additional special functions.

HIGH POWER 1 x 16 A

CONTROL MORE OR BIGGER LOADS

Forget about having a combination of Timer and Contactor to control bigger loads or a larger number of loads, Syr-Line are your all-in-one solution..

EXTRA PROTECTION WHEN YOU NEED IT

Syr-Line products have greater capacity to withstand surge or inrush current than standard timers due to higher current capacity.

SPECIAL FUNCTIONS:

LATCHING AND DELAYED LATCHING

Along with the classic functions, Syr-Line offers the special functions Latching (Alternating) (TL) and Delayed Latching (Alternating) (Tt), allowing you to turn on and off the output relay with a voltage signal.

WIDE TIME RANGE

Program your timer to work from as little as 0.5 seconds delay to as long as a 10-day delay (240 hours).

DOUBLE OUTPUT 2 x 8 A

INSTANTANEOUS OR TIMED RELAY IN A SLIM PACKAGE

The only 17.5 mm timer on the market offering a dual output version with easy selection on the front face, allowing the option of both outputs to work together simultaneously, or one working instantaneously and the other delayed.

OPTION 1: INSTANTANEOUS

Turn on one output instantaneously and the second output with a time delay, to allow different loads to be switched-on gradually.

OPTION 2: TIMED

Select the two output relays working together and reduce costs by controlling different loads with the same device.

MONO OR MULTI FUNCTION

Select between a multifunction version with the 12 most popular functions or a monofunction version ON-Delay or Repeat-Cycle.

INTERNATIONAL CERTIFICATIONS

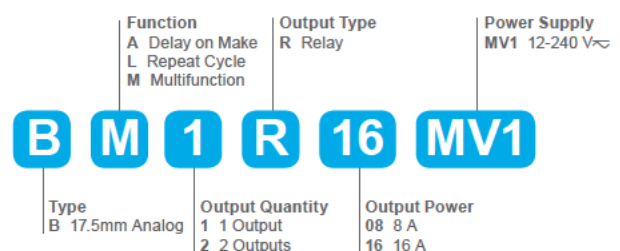
Compliant with the highest standards, Syr-Line 17.5 mm timers are cULus, CE, RoHS and CCC certified.

ENGINEERING EXPERTISE FOR CUSTOM NEEDS

Crouzet can easily customize Syr-Line timers for your specific application.



› Part Number System



PRODUCT LAYOUT

PROTECTIVE COVER

- › Protect the knobs and the front face from the environment and avoid accidental movement

MODULAR SHAPE

- › To fit in modular panels

SMALL SCREW POTENTIOMETERS

- › For right tuning of your timer

LARGE POTENTIOMETERS

- › Allows to set the right configuration in your timer with your fingers

SPECIAL FUNCTION

- › To select special functions Latching (Alternating) and Delayed Latching (Alternating) or select in double output versions if second relay works timed or instantaneous

UNIVERSAL POWER SUPPLY

- › Syr-line timers fits all popular voltages from 12 → 240 V $\overline{\sim}$
- › Connexion compatible with the standard industrial layout

SIGNAL INPUT

- › For functions when controlling the timer with a signal is needed

DIN RAIL MOUNT

- › For easy installation in your panel

SLIM PACKAGE

- › 17.5 mm width plastic housing that helps you save space in your panel

FUNCTIONS MARKING

- › With all the function diagrams available for each part number

2 LED INDICATORS

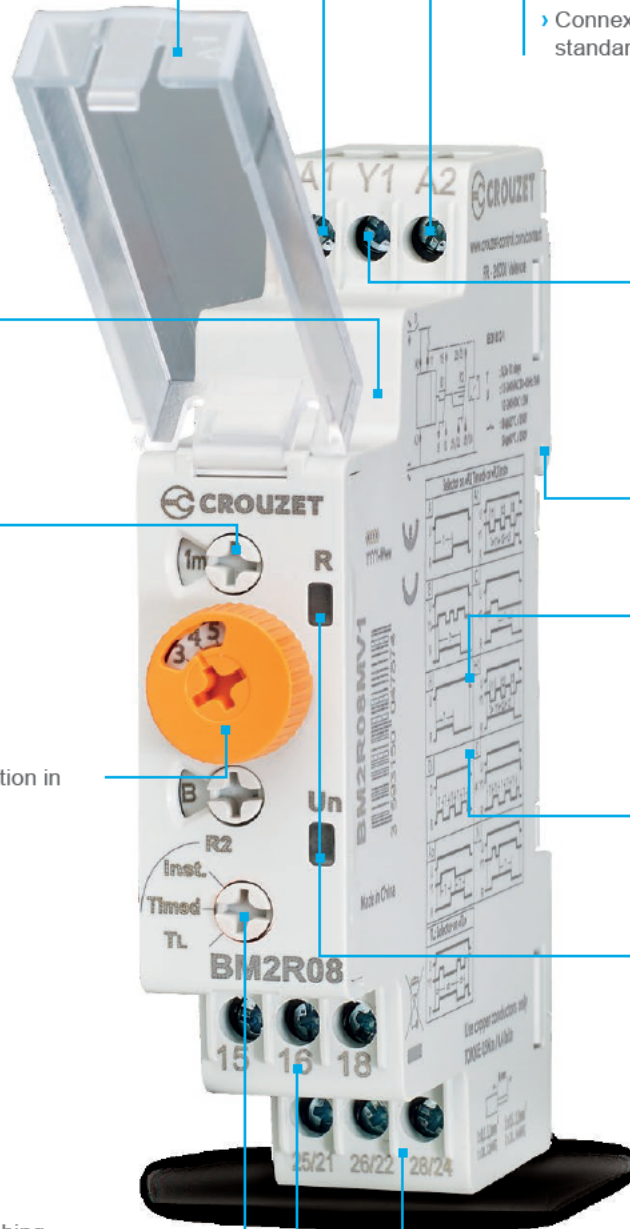
- › For visualization of the status and output of your timer

HIGH POWER 1 x 16 A



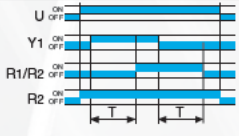
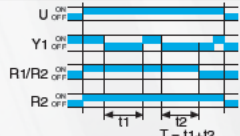
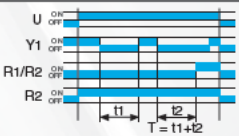
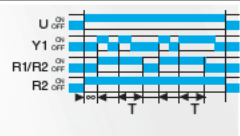
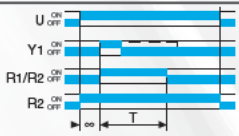
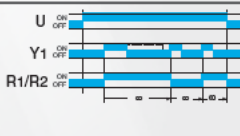
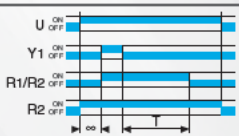
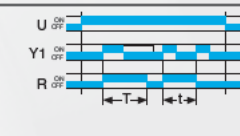
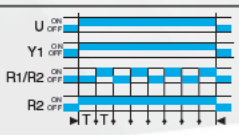
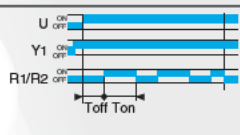
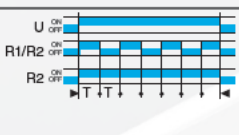
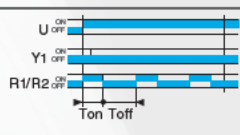
- › Relay output version for high power applications

DOUBLE 2 x 8 A

- › Relay output version available for standard power applications that requires two relays






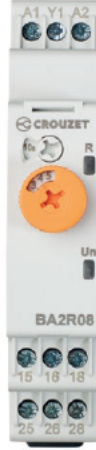


























PRODUCT FUNCTIONS

	BM1R	BM2R	BA1R	BA2R	BL1R	BL2R		BM1R	BM2R	BA1R	BA2R	BL1R	BL2R
A  ON-Delay (Delay on Make)	✓	✓	✓	✓			H  Interval	✓	✓				
Ac  ON/OFF Delay (Delay on Make/Break)	✓	✓					Ht  Interval with Memory	✓	✓				
At  Summation Time	✓	✓	✓	✓			N  Watchdog	✓	✓				
B  Single Shot (One Shot)	✓	✓					TL  Latching (Alternating) – Leading Edge	✓	✓				
C  OFF-Delay (Delay on Break)	✓	✓					Tt  Delayed Latching (Alternating) – Leading Edge	✓					
D  Flasher (Symmetrical) – OFF Start	✓	✓					L  Repeat Cycle (Asymmetrical) – OFF Start					✓	✓
Di  Flasher (Symmetrical) – ON Start	✓	✓					Li  Repeat Cycle (Asymmetrical) – ON Start					✓	✓

U: Power Supply (A1/A2)
 Y1: Trigger Signal (A1/Y1)
 R1/R2: Relays Outputs Timed → R1 (15/16/18) → R2 (25/26/28)

R2: Relay Output Instantaneous (21/22/24)
 T: Timing
 ∞: Infinity

PRODUCT OFFER

BM1R		BM2R		BA1R		BA2R		BL1R		BL2R	
											
BM1R16MV1		BM2R08MV1		BA1R16MV1		BA2R08MV1		BL1R16MV1		BL2R08MV1	
	1 X 16 A		2 X 8 A		1 X 16 A		2 X 8 A		1 X 16 A		2 X 8 A
	12-240 V \sphericalangle		12-240 V \sphericalangle		12-240 V \sphericalangle		12-240 V \sphericalangle		12-240 V \sphericalangle		12-240 V \sphericalangle
	Multifunction		Multifunction		Delay on Make A: ON-Delay At: + Memory		Delay on Make A: ON-Delay At: + Memory		Repeat Cycle L: OFF Start Li: ON Start		Repeat Cycle L: OFF Start Li: ON Start
	R1: Timed		R1: Timed R2: Timed/ Instantaneous		R1: Timed		R1/R2: Timed		R1: Timed		R1/R2: Timed

PRODUCT MARKET

ENERGY & INFRASTRUCTURE

- › Water & Waste Treatment
- › Water Filtration
- › Water Disinfection
- › Compactors

FOOD & BEVERAGE

- › Baking Ovens
- › Refrigeration
- › Food & Drink Dispensers
- › Food Processing

TRANSPORTATION

- › Trucks and Buses
- › Specialty Vehicles
- › Construction Equipment

INDUSTRIAL

- › Assembly Machines
- › Machine Tools
- › Materials Handling
- › Metal Process
- › Motors and Drives
- › Packaging Equipment
- › Plastic Machinery
- › Test Equipment
- › Textile Manufacturing
- › Wood Process
- › Others

COMMERCIAL

- › Printing & Other

BUILDING

- › Access Control
- › Parking Barrier
- › Door Control
- › HVAC
- › Air
- › Filtration
- › Lighting
- › Building Automation



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