

REGENT'S

**InterFacer**<sup>TM</sup>

**ProFacer**<sup>TM</sup>

**MultiFacer**<sup>TM</sup>

MULTIPOLE INTERFACING RELAYS

**Features**

- Two output poles, independently convertible from normally-open to normally-closed.
- Complete isolation between line, load, and logic terminals.
- Compact size. DIN rail or panel mount.
- LED status indicator for each output pole.
- Regent's 2 Year Warranty.

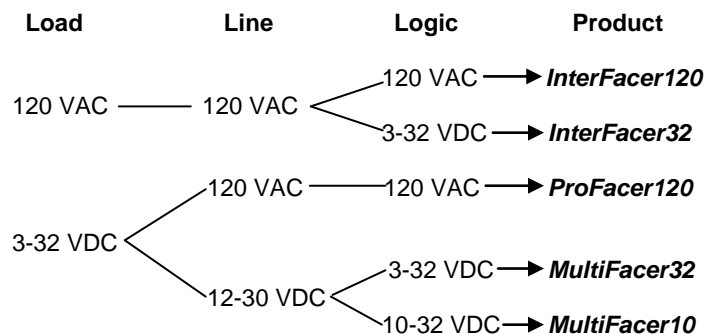


**Ideal for:**

- ▶ Interfacing AC and DC control circuits
- ▶ Precise switching for high speed
- ▶ Eliminating machine down time
- ▶ Eliminating intermittent operation from vibration or corrosion

The interfacing series of relays not only provides the popular 120 VAC and 24 VDC relays, but also makes it possible to interface any combination of Load, Line, and Logic Voltages. The voltages may be 120V, 50/60 Hz or any DC voltage from 3 to 32 volts.

**SELECTION GUIDE**



FOR MORE INFORMATION CALL 203-732-6200  
OR VISIT US ONLINE AT [www.regentcontrols.com](http://www.regentcontrols.com)

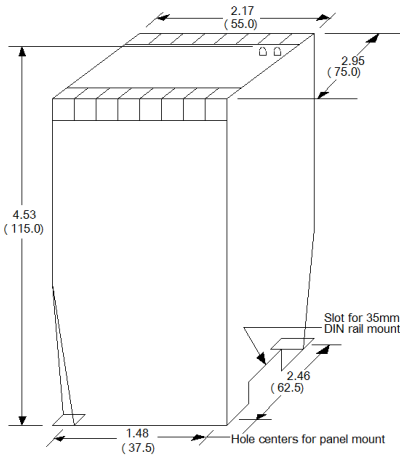


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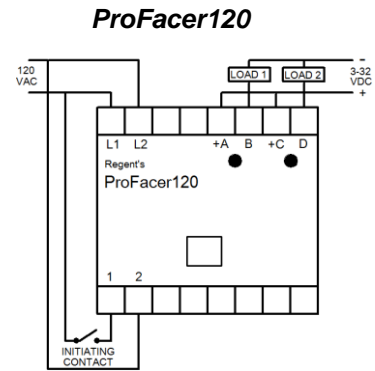
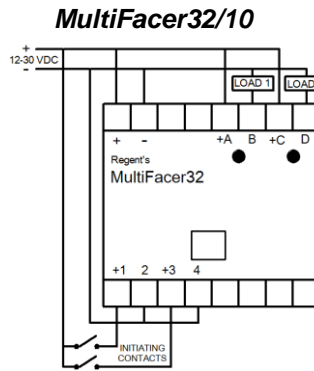
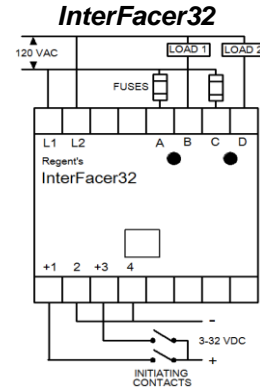
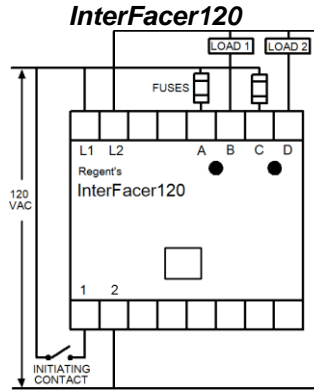


# Regent's InterFacing Relays

## DIMENSIONS



## WIRING DIAGRAMS



## NOTES

1. There is complete electrical isolation among Line, Load, and Logic circuits. They may be used in separate and different voltage circuits or systems.
2. Terminals L2, 2 and/or 4 may be grounded.
3. For loads greater than 1 amp, do not parallel solid-state switches. The current will not divide equally and may result in damage.
4. Either pole may be used to latch the logic of the *InterFacer120*, *MultiFacer32* and *MultiFacer10*. Self-latching cannot be done on the *MultiFacer32* or *InterFacer32*.
5. Normally-closed switches require power on L1,L2 (or +,-) terminals for proper operation.
6. On *InterFacer32*, *MultiFacer32*, and *MultiFacer10*, initiating contacts may switch on high or low side of logic (i.e. current sourcing or sinking).

SPECIFICATIONS	<i>InterFacer120</i>	<i>InterFacer32</i>	<i>ProFacer120</i>	<i>MultiFacer32/10</i>
<b>Line Input (L1,L2 or +,-)</b>	120 VAC +/- 20%, 50/60 Hz; 15 mA burden	120 VAC +/- 20%, 50/60 Hz; 15 mA burden	120 VAC +/- 20%, 50/60 Hz; 15 mA burden	12-30 VDC, 5% max ripple; <40 mA burden
<b>Logic Input (1,2 &amp; 3,4)</b>	120 VAC +/- 20%, 50/60 Hz; 25 mA burden (will not operate on leakage current below 10 mA)	3-32 VDC, 1 mA burden at 3 VDC 35 mA burden at 32VDC	120 VAC +/- 20%, 50/60 Hz; 25 mA burden (will not operate on leakage current below 10 mA)	3-32 VDC MultiFacer32 10-32 VDC MultiFacer10 1 mA burden at 3 VDC 10 mA burden at 10 VDC 40 mA burden at 32 VDC
<b>Logic Response Time</b>	<u>Norm-Open</u> <u>Norm-Closed</u>	<u>Norm-Open</u> <u>Norm-Closed</u>	<u>Norm-Open</u> <u>Norm-Closed</u>	<u>Norm-Open</u> <u>Norm-Closed</u>
<b>Pull-in (msec)</b>	1-5 2-7	<=1 <=1	1-5 2-8	<1 <1
<b>Drop-out (msec)</b>	5-13 2-10	1-9 1-9	2-8 1-5	<1 <1
<b>Ops./min</b>	3300 3500	6000 6000	4600 4600	30,000 30,000
<b>Load Switch Rating (A,B &amp; C,D)</b>	120 VAC +/- 20%, 1 A continuous, 5A inrush; resistive or inductive less than 2 mA at 65°C	120 VAC +/- 20%, 1 A continuous, 5A inrush; resistive or inductive less than 2 mA at 65°C	3-32 VDC 1A max; resistive or inductive less than 100uA at 65°C	3-32 VDC 1A max; resistive or inductive less than 100uA at 65°C
<b>Off-state leakage</b>	less than 2 mA at 65°C	less than 2 mA at 65°C	less than 100uA at 65°C	less than 100uA at 65°C
<b>On-state voltage drop</b>	1 VAC typical	1 VAC typical	1 VDC maximum	1 VDC maximum
<b>Minimum load current</b>	15 mA	15 mA	less than 1 mA	less than 1 mA
<b>Recommended fuse</b>	Littelfuse 322002	Littelfuse 322002	Buss PCB1	Buss PCB1
<b>Temperature</b>	0 to 65°C (32 to 149°F)	0 to 65°C (32 to 149°F)	0 to 65°C (32 to 149°F)	0 to 65°C (32 to 149°F)

Note: 1. Response times are for resistive loads; times for inductive loads vary with load inductance and resistance.

2. For *InterFacer120*, times shown are for 1,2 and load voltages in phase.

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