

# spirax sarco®

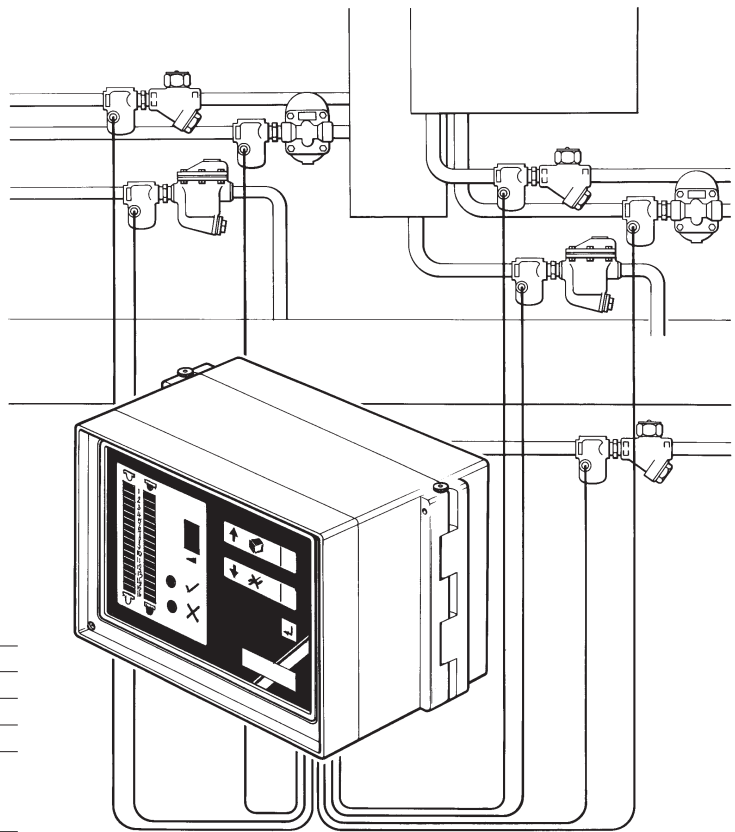
## SPIRA-tec® Automatic Steam Trap Monitor R16C

Steam  
Traps  
Fault  
Detection

The SPIRA-tec® R16C is an automatic steam trap monitor for up to 16 steam traps. Remotely mounted, it continuously scans electronically up to 16 Spira-tec® Sensor Chambers and indicates when steam wastage or waterlogging occurs at any of the traps being monitored. A Sensor is screwed into each Sensor Chamber and is connected by wiring to the R16C which is sited at a convenient point.

When all the steam traps being monitored are working correctly, a single green light will be illuminated. If one or more of the steam traps is failing, then the corresponding "fail" lights (of which there are thirty two) are illuminated and the green light is extinguished.

The R16C, which is continuously operating, will indicate at a glance that either all the traps are operating correctly, or that there is a failure of any particular identified trap or traps. The unit can be interfaced with most present day computer controlled Building Management Systems, through a pair of volt free contacts, which will open on trap failure.



### Available Types

R16C steam monitor is available as standard for use with mains supplies at 96-240Vac or 24Vac. The monitor is supplied for wall or panel mounting.

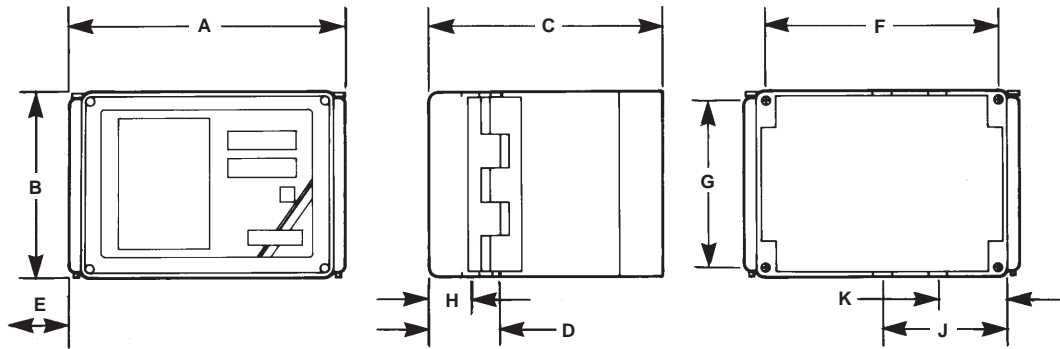
### Technical Data

Supply voltage	96-240Vac $\pm 10\%$ or 24 Vac $\pm 10\%$	
Supply frequency	50 - 60 Hz	
Supply current consumption	50 mA	
Environmental limits	Operating temperature range	0°C to 50°C
	Maximum operating relative humidity	80% up to 31°C decreasing linearly to 34% at 50°C
	Maximum altitude	2 000 m above sea level
	Maximum voltage	24 Vac/dc
Relay rating	Maximum current	0.5A
	Maximum power	10W
	Enclosure rating	IP65 with correct cable glands (wall mounting unit only)
Electrical connections	Screw terminals	

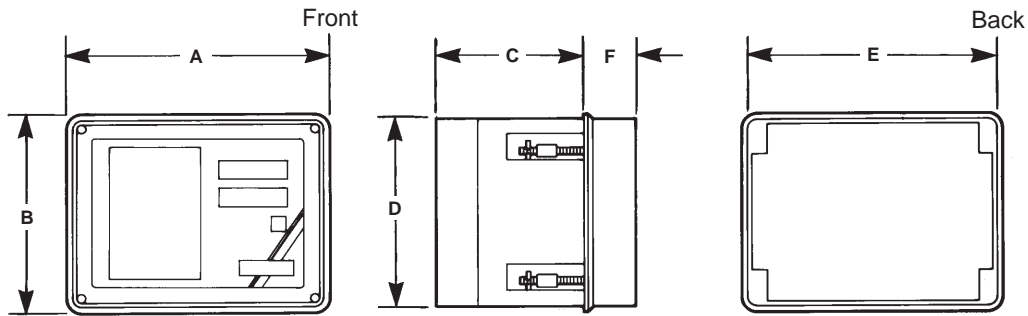
If cable protection is required, a conduit adaptor can be connected to the M16 conduit thread on the housing after removing the nut (1). The plug tail is supplied with 1.25m of cable. Any additional cable must be provided by the installer in accordance with the Installation Instructions.

Note: The type of cable is not critical, but a lightweight cable with 20 gauge conductors of 7/0.2 (0.22mm<sup>2</sup>) multi-strand cable will suffice.

# SPIRA-tec® Automatic Steam Trap Monitor R16C



## Wall Mounting



## Dimensions (nominal) in inches and millimeters

Wall Mounting										
A	B	C	D	E	F	G	H	J	K	Weight
7.9	5.4	6.7	2.0	5.1	6.7	3.9	1.2	3.6	2.0	4.0 lb
201	138	169	50	130	170	100	30	92	52	1.8 kg

Panel Mounting										
A	B	C	D	E	F	Weight				
7.6	5.7	4.1	5.5	7.3	1.6	3.4 lb				
192	145	105	140	186	40	1.53 kg				

## To Use as Master Box

The R16C can be installed on a cascade basis. One "master" box will monitor up to 16 x R16C "local" boxes. A red light on the master box will indicate which "local" box is registering a leaking trap. Inspection of that local box will then identify the specific trap which is failing.

