

## Emmeti Product Focus

**EWC-1 Hard-wired wiring centres with on-off switch**

230V and 24V 8-way wiring centres specially designed for radiant heating and cooling applications

**Why you should choose Emmeti EWC-1 Wiring Centres**

This new generation of EWC-1 wiring centres offers a host of features:

- The built-in on-off switch means that when fault finding, adding new thermostats or electrothermic heads to the centre, work can go ahead safely without the need to isolate the whole system
- The centre allows centralised time control of up to 8 zones with a single time switch
- Night setback using a timeswitch can also be implemented with either live or neutral switching options catered for
- Earth continuity terminals are integrated as standard, to allow equipment requiring earthing to be connected to the wiring centre
- Pump live and neutral terminals with a 230V output make it simple to connect a pump to the centre
- Separate boiler interlock terminals enable the boiler to be fired whether it requires a 230V supply or a volt-free connection to the boiler terminals
- With its 50 VA transformer, the 24V version allows up to 16 x 3W electrothermic heads to be controlled
- Eight wiring channels have been provided with clearly marked terminals and ample room for making connections
- Four loose 'cap' terminals have been provided to enable up to five electrothermic heads to be connected to two of the zone channels - more can be ordered
- The EWC-1 wiring centre can be used inside manifold cabinets due to its specially protected enclosure rated at IP44
- The status of the system can be monitored with the LED's on the front of the casing without the need to open it. They show:
  - Power On
  - Boiler On
  - Pump On
  - 8 individual channel LED's showing a call for heat from the individual thermostats.
- Cable clamping for multiple cables is included with each centre for quicker and easier cable management

Both versions come in an elegantly styled case and will satisfy almost all hardwired applications for both radiant heating and cooling.

**EWC-1 Hard-wired wiring centres with on-off switch (continued)**



**EWC-1 Hard-wired wiring centres with on-off switch**

Size	Pcs./Pack	Code
230V 8-way wiring centre with on-off switch	1	U9360010
24V 8-way wiring centre with on-off switch	1	U9360020

The wiring centres feature independent boiler and pump relays, 8 zone terminal connection blocks for thermostats and electrothermic heads (four loose cap terminals are included to enable up to five actuators to connect to two zones\*), on-off switch to enable safe working inside the wiring centre and to thermostat and actuator connections. Each circuit has an LED call for heat indicator. The centre includes connections for an external timeswitch to enable both central time control of thermostats and also night set back operation for suitable thermostats.



The 24V version incorporates a 50VA transformer with capacity for up to 16 x 3W actuators. Both versions offer IP44 protection to enable siting inside a manifold cabinet.

\* Additional loose cap terminals can be obtained, code U9360030.

**Technical Data**

Model:	230V EWC-1 Wiring Centre	24V EWC-1 Wiring Centre
Emmeti Code:	U9360010	U9360020
Dimension H x W x D (mm):	125 x 320 x 67	125 x 320 x 67
Weight	1000g	2047g
Power supply:	230V ~ ±10% 50Hz	230V ~ ±10% 50Hz
Fuse rating:	8A, load protection	8A, load protection; 4A, transformer protection
Ambient temperature range:	0 °C to 40 °C	0 °C to 40 °C
Storage temperature range:	-10 °C to 50 °C	-10 °C to 50 °C
Humidity limits	20% to 80% RH (non condensing)	20% to 80% RH (non condensing)
Enclosure rating	IP44	IP44
Thermostat and actuator connection channels:	8	8
Maximum number of actuators per channel	5	5
<b>Wiring Centre Outputs :</b>		
- Thermostats and actuators	230V	24V
- Pump**	230V	230V
- Boiler	Volt free	Volt free
- Timeswitch	230V	230V* or 24V
- Night setback	Volt free (live or neutral switching)	Volt free (live or neutral switching)
<b>Maximum electrical load:</b>		
- Total (thermostats and actuators)	2A	2A
- Each channel	1.25A	1.25A
- Pump	5A @250V ~	5A @250V ~
- Boiler	5A @250V ~	5A @250V ~
Compliant with EMC and LV directives:	EEC 2004/108 (EMC), 2006/95 (LVD)	EEC 2004/108 (EMC), 2006/95 (LVD)

\* On 24V models, note that when a 230V timeswitch is connected to the wiring centre, the wiring centre switch will not isolate the 230V supply to the timeswitch, but will isolate the 24V supply. The main isolator will therefore need to be switched off when working on the timeswitch.

\*\* There is a 2.5 minute time delay following a call for heat before the pump is energised