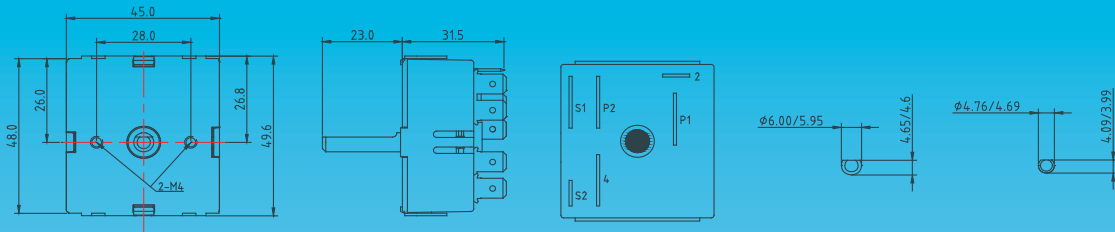
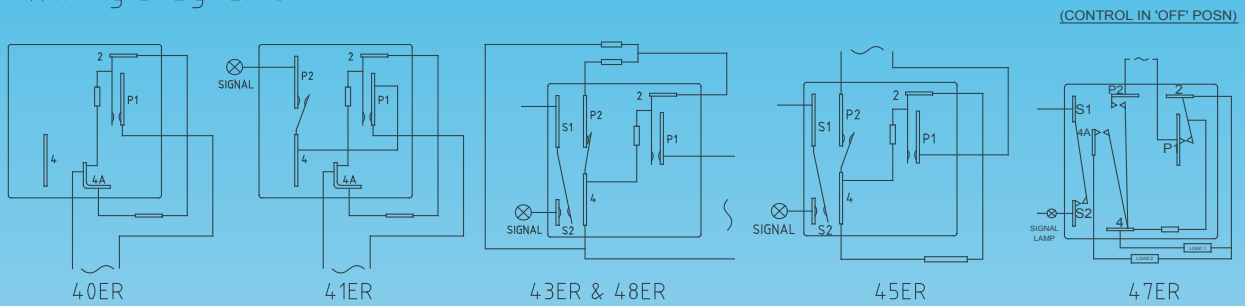


# 40ER SERIES

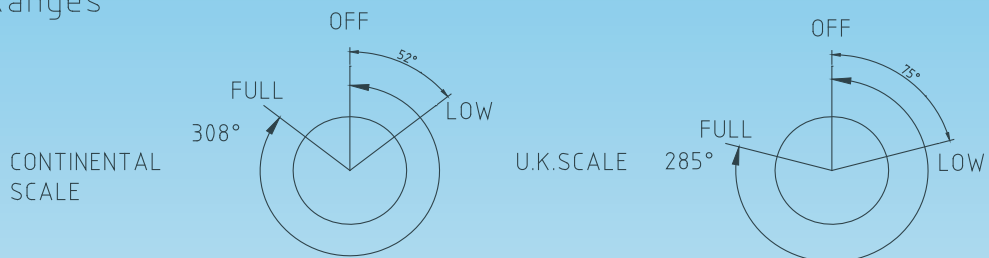
## Dimensions



## Wiring Diagrams



## Scale Ranges



# 40ER SERIES ENERGY REGULATORS

The 40ER Series low profile energy regulators have been designed to meet the demands of modern cooking appliances where controls compartment space is limited. These energy regulators are manufactured to a high performance specification with an ambient temperature rating of 125°C

- Types:**
- 40ER single pole
  - 41ER single pole with signal contacts
  - 42ER dual circuit single pole
  - 43ER dual circuit single pole with signal contacts
  - 44ER double pole
  - 45ER double pole with signal contacts
  - 47ER dual circuit latched double pole with signal contacts
  - 48ER dual circuit single pole with up-rated signal contacts
  - 49ER single pole with up-rated signal contacts
- Rating:**
- Thermal contacts P1-2:  
13.5A 240V AC MAX – Resistive 7A 400V AC MAX-  
Resistive tungsten halogen (ballast load)  
1960W 240V AC MAX
  - Signal contacts P2-4  
41ER Types: 0.1A 400V AC max – resistive  
49ER Types: 1A 400V AC 0.35PT
  - Signal contacts S1-S2  
45ER Types: 0.1A 400V AC max – resistive  
48ER Types: 1A 250V AC 0.35PT
- Features:**
- Temperature rating:  
125°C max continuous rating  
Controls are ambient compensated
  - Terminations: 6.3mm push-on type
  - Indexing: off position & full on position
  - Spindle: 6.0mm or 4.73mm diameter single D section
  - Plastic spindle – metal spindle available upon request
- Features:**
- Mounting: Two screw fixing-2XM4 screws at 28mm center- Max Screw insertion 5mm, or central bush fixing, m10 thread
- Characteristic:**
- UK Scale:  
Operating range: 75 ° to 285 ° clockwise  
Output: 6±3% at 75 °  
70±15% at 260 °  
100% at 285 °
  - Continental scale:  
Operating range: 52 °-308 ° clockwise  
Output: 6±3 at 52 °  
60 + 15%- 20% at 258 °  
100% at 308 °
  - Dual circuit scale:  
Operating range: 35 °- 154 °  
Clockwise and anticlockwise  
Output: 7%±4% at 35 °  
70±15% at 125 °  
100% at 154 °
  - Dual circuit latched:  
Operating range: 52 °-308 ° clockwise
  - Double pole scale:  
Output: 6±3 at 52 °  
60 + 15%- 20% at 258 °  
100% at 308 °
- Approvals:** EN 60 730-2-1 & EN 60 730-2-11

