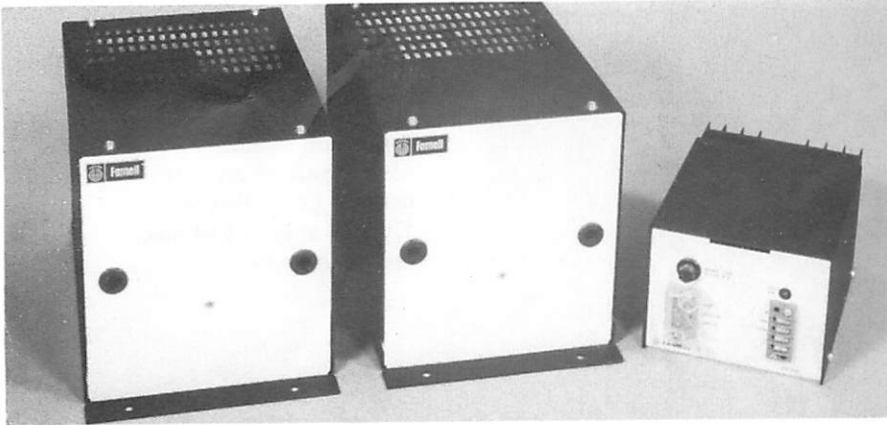


# MODULAR POWER SUPPLIES

## utility power supplies ICD 24V Series



Three models available:  
 ICD24-1 24V at 1.25A cont.  
 ICD24-5 24V at 5A cont.  
 ICD24-10 24V at 8A cont.

Low cost  
 Compact and reliable  
 Easy to use  
 Dual standard  
 Suitable for OEM use  
 Totally enclosed

The ICD series of 24V power supplies consists of a 1 amp regulated unit along with 5 and 8 amp unregulated units.

These are primarily intended for use with Farnell annunciators and trip amplifiers but because of their package sizes and voltage/current combinations, they are suitable for a wide range of OEM applications as well as general standby duty on the bench.

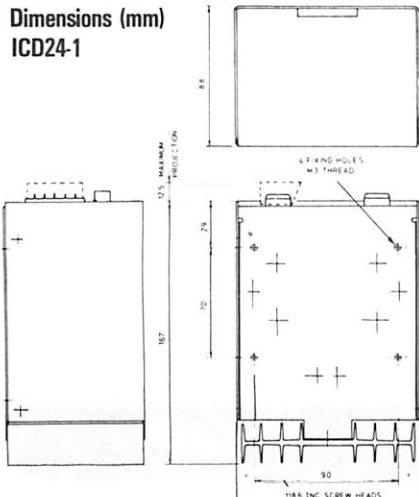
High reliability is achieved through a low component count and should the need arise, servicing is made easy by quick access to major components.

The units are thoroughly tested and inspected before they leave the factory and the manufacturing process is certified to Min. Def. 0524.

Alternative voltages and currents, in the same package sizes to approximately the same power are available to special order and Industrial Control Engineers will be pleased to advise you on such matters.

Order Codes	
ICD 24-1	162401
ICD 24-5	162405
ICD 24-10	162410

### Dimensions (mm) ICD24-1



### ICD24-10

**Mains input**  
 110, 220, 240V +6% -10% 50/60Hz by internal links

**Output voltage**  
 24V  $\pm 5\%$  at nominal input (unregulated)

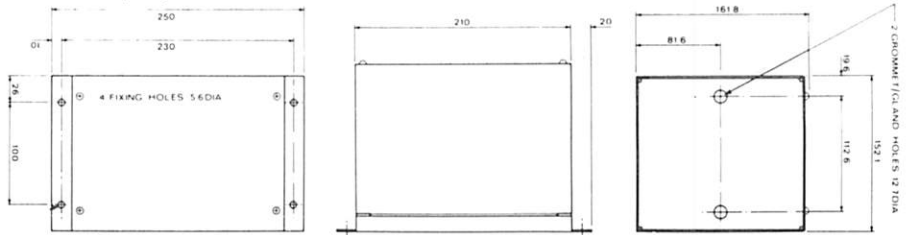
**Output current**  
 8A continuous. Suitable for up to 65 way Farnell alarm annunciator

**Operating ambient temperature range**  
 0°C to 50°C at 8A continuous

**Storage temperature range**  
 -40°C to +80°C

**Protection**  
 10A fast blow fuse

### Dimensions (mm) ICD24-10 and ICD24-5



### ICD24-1

**Mains input**  
 110, 220, 240V +6% -10% 50/60Hz by internal tap change

**Output voltage**  
 24V  $\pm 5\%$  (not adjustable)

**Output current**  
 1.25A continuous. Suitable for up to 8 way Farnell alarm annunciator

**Load regulation**  
 Output change for zero to full load change: less than 500mV

**Line regulation**  
 Output change for specified mains input tolerated: less than 500mV

**Ripple**  
 At full load ( $\Delta f = 75\text{kHz}$ ) and nominal mains input: less than 50mV pk-pk

### ICD24-5

**Mains input**  
 110, 220, 240V +6% -10% 50/60Hz by internal links

**Output voltage**  
 24V  $\pm 5\%$  at nominal input (unregulated)

**Output current**  
 5A continuous. Suitable for up to 40 way Farnell alarm annunciator

**Operating ambient temperature range**  
 0°C to +50°C at 5A continuous

**Storage temperature range**  
 -40°C to +80°C

**Protection**  
 5A fast blow fuse

**Output impedance**  
 Less than 1 $\Omega$  at 100kHz and 25°C, typical

**Long term stability**  
 Less than 100mV change (1000hrs)

**Operating ambient temperature range**  
 0°C to +40°C at 1.25A continuous

**Storage temperature range**  
 -40°C to +80°C

**Protection**  
 Foldback current limiting. Onset at 1.4A approx. with foldback

**ORDER CODE: see box**