

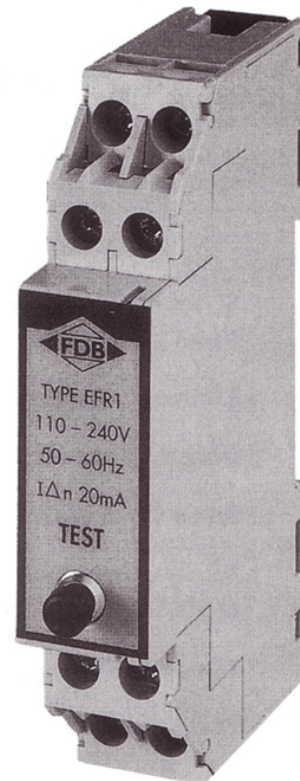
EFR-1 Single Module Earth Leakage Relay

The **EFR-1** is part of the **OPTIMA** range of low cost, high specification RCD's designed for the specialist panel builder and is ideal for general purpose, low current applications where Space and Economy are important considerations.

The EFR-1 is housed in a Single Module Din Rail Housing complete with integral test button & screw clamp terminals to simplify connection. It is available with a choice of pre-set current & time trip levels from 20mA to 500mA: instantaneous, 60Ms, 300mS. It can be connected to operate a shunt trip, UVR, or contractor coil. Flying leads for remote test facility are also available to special order.

It is supplied for operation at frequencies 50/60 Hz and available to order at 300/400 Hz.

The fully encapsulated construction provides excellent temperature stability together with immunity against shock and vibration.



Despite its compact size (only 17.5 mm wide), the EFR-1 can be used with any of OPTIMA CT's with internal diameters ranging from 16 mm to 250 mm.

See overleaf for full specification.

SPECIFICATION

Control Voltage	: 110 or 240 v
Trip Current	: 20mA - 500mA (factory set)
Time Delay	: Instantaneous, 60 mS or 200 mS (factory set)
Frequency Range	: 30 / 120 Hz
Temperature range	: -20° C to +55°
Relative Humidity	: 95% non condensating
Output Relay	: SP volt-free changeover contacts. Rated 250V 125VA
Core Balance C.T.	: External
Controls	: Integral test button
Connections	: Screw clamp terminals
Construction	: Totally encapsulated and housed in flame retardant ABS enclosure (IP20) Finish Grey (RAL7032)
Dimensions	: 90 mm x 17.5 mm x 60 mm (HxWxD)
Mounting	: 35 mm Din rail

DESCRIPTION	ORDER REFERENCE
Integral test button	EP EFR1**
Remote test button	EP EFR1RTB**
**State voltage, trip current, and time delay required when ordering	

In line with our policy of constant improvements, we reserve the right to vary the specifications contained in this leaflet.

The services of our Technical support staff are available for assistance or guidance on earth leakage problems and possible solutions please contact us at:

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