



UL Listed Versus UL Recognized — What Does It Mean for Plug-In Relays?

Technical Data

May 2007
New Information

The question is often asked, "why are Eaton plug-in relays UL Component Recognized instead of UL Listed"? The answer comes from www.ul.com: "UL's Component Recognition Service covers the testing and evaluation of component products that are incomplete or restricted in performance capabilities". Since any plug-in product can be used with almost any manufacturer's socket, UL has no information or control over the type of field-installed wires or terminations used with plug-in products such as time delay relays, three-phase monitor relays or control relays. They, therefore, classify the product as **Recognized** instead of **Listed**.



TMR5 Time Delay Relay

However, UL does allow the UL Listed Mark to be used on UL Component Recognized plug-in products if the manufacturer specifies a particular UL Component Recognized socket to be used and if the combination is submitted to UL for Listing. Eaton has completed such a program at UL, and now most Eaton plug-in relays carry the UL Listed logo in addition to the UL Component Recognition logo.

As you can see from the photo, the particular Eaton 8- or 11-pin socket is specified on the product nameplate. This indicates that UL has Listed the combination of the Eaton plug-in product and the appropriate Eaton socket when used together. Also notice that the UL Component Recognition logo remains. This means that if the plug-in product is used with any socket other than the appropriate Eaton socket, the unit is still Component Recognized, just not Listed.

Now panel shops and other equipment builders can eliminate questions and confusion on whether the products are truly UL Listed by specifying and using Eaton plug-in products and sockets.

For more information concerning Eaton products that are UL Listed with the appropriate socket, see **Page 2** or contact EatonCare at 877-ETN CARE (386-2273). Information on Eaton's complete line of products and accessories can be found at www.eaton.com/electrical.

Table 1. Relay with Socket Classifications

Relay Type	Catalog Series	Eaton Socket	US	US
Full Featured Ice Cube Relay	D2PF	D2PA6	✓	✓
Plain Covered Ice Cube Relay	D2PR	D2PA6	✓	—
Full Featured Ice Cube Relay	D3PF2	D3PA2	✓	✓
Plain Covered Ice Cube Relay	D3PR2	D3PA2	✓	—
Full Featured Ice Cube Relay	D3PF3	D3PA3	✓	✓
Plain Covered Ice Cube Relay	D3PR3	D3PA3	✓	—
Slimline Ice Cube Relay	D4PR1	D4PA1	✓	—
Slimline Ice Cube Relay	D4PR2	D4PA2	✓	—
Full Featured Ice Cube Relay	D5PF	D5PA2	✓	✓
Plain Covered Ice Cube Relay	D5PR	D5PA2	✓	—
Full Featured Ice Cube Relay	D7PF1/D7PF2	D7PAA	✓	✓
Plain Covered Ice Cube Relay	D7PR1/D7PR2	D7PA2	✓	—
Full Featured Ice Cube Relay	D7PF3	D7PA3	✓	✓
Plain Covered Ice Cube Relay	D7PR3	D7PA3	✓	—
Full Featured Ice Cube Relay	D7PF4	D7PA4	✓	✓
Plain Covered Ice Cube Relay	D7PR4	D7PA4	✓	—
Timing Relay	TMR5	D3PA2/D3PA3	✓	✓
Timing Relay	TR	D3PA2/D3PA3	✓	✓
Monitoring Relay	D65	D3PA2/D3PA3	✓	✓
Alternating Relay	D85	D3PA2/D3PA3	✓	✓

Eaton Corporation
 Electrical Group
 1000 Cherrington Parkway
 Moon Township, PA 15108
 United States
 877-ETN CARE (877-386-2273)
 Eaton.com