**110.28 Enclosure Types**

Enclosures (other than surrounding fences or walls) of switchboards, switchgear, panelboards, industrial control panels, motor control centers, meter sockets, enclosed switches, transfer switches, power outlets, circuit breakers, adjustable-speed drive systems, pullout switches, portable power distribution equipment, termination boxes, general-purpose transformers, fire pump controllers, fire pump motors, and motor controllers, rated not over 600 volts nominal and intended for such locations, shall be marked with an enclosure-type number as shown in Table 110.28.

Enclosures that comply with the requirements for more than one type of enclosure may be marked with multiple designations. Enclosures marked with a type may also be marked as follows:

A Type 1 may be marked “Indoor Use Only.”

A Type 3, 3S, 4, 4X, 6, or 6P may be marked “Raintight.”

A Type 3R may be marked “Rainproof.”

A Type 4, 4X, 6, or 6P may be marked “Watertight.”

A Type 4X or 6P may be marked “Corrosion Resistant.”

A Type 2, 5, 12, 12K, or 13 may be marked “Driptight.”

A Type 3, 3S, 5, 12K, or 13 may be marked “Dusttight.”

For equipment designated “raintight,” testing designed to simulate exposure to a beating rain will not result in entrance of water. For equipment designated “rainproof,” testing designed to simulate exposure to a beating rain will not interfere with the operation of the apparatus or result in wetting of live parts and wiring within the enclosure. “Watertight” equipment is constructed so that water does not enter the enclosure when subjected to a stream of water. “Corrosion-resistant” equipment is constructed so that it provides a degree of protection against exposure to corrosive agents such as salt spray. “Driptight” equipment is
constructed so that falling moisture or dirt does not enter the enclosure. “Dusttight” equipment is constructed so that circulating or airborne dust does not enter the enclosure.

Exhibit 110.27 illustrates a label for a transformer. The circled area on the label indicates the enclosure type, which is a Type 3R.

**EXHIBIT 110.27** A typical label for a transformer enclosure, showing an enclosure type rating. (Courtesy of Hammond Manufacturing)