



Characteristics:

- Multi-functions and universal application
- Three phases controlled separately
- High reliance with LED display
- Complete safety protection with built in voltage limiting device
- Allow to check the operating switchgear with the function tester
- Screened coaxial cables as connecting leads
- Easy installation with standard housing 96x48mm



EVI series high voltage indicators cooperated with corresponding capacitive insulators or bushings with capacitive tap, applied to verify (detect) the absence of voltage on conductors within the indoor electric devices, and supply reinforced relays control and other testing functions, are idea electric safe protecting apparatus featured with high reliance, free maintenance, complete protection, and easy installation. Developed from American-European leading technologies, it complied with the standards of IEC61243-5, DIN VDE 0682 415 and DL/T538-9 respectively, and is universal for both domestic and international applications.

Types and Functions: **EVI (or DXN-T) , integrated enduring voltage indicating system:** three phase efficient LED indicates the presence of voltage , no auxiliary voltage is needed.

EVI-R (or DXN-Q) , integrated enduring voltage indicating system with control relays : designed basic function as EVI, additionally include one or two relay contacts(changer) for electric safe lock or remote control.

The relay contacts have two situations, one is the locking status when three phases voltage and auxiliary voltage present at the same time, another one is the unlocking status for every other conditions, The presence of the auxiliary power is displayed on the front panel.

EVI-S (or: DXN-F), separate voltage indicating system: the voltage indicator coupled with the capacitive insulator through a designed interface could be plugged in-out and be three phase or single phase.

EVI-T (or: DXN-Y) , function tester: intends for testing the function of enduring voltage indicating system and simple phase comparison

EVI-C (or: DXN-X) , phase comparator: intends for phase comparison between two voltages presenting at VDS interfaces and other test functions.



Technical parameters:

EVI (or DXN-T)

Nominal frequency: 50, 60Hz

For indoor electric devices with rated voltage > 1kV

Signal situations:

threshold voltage: 4-5 V

$U_0 < 10\% U_n$, no voltage signaling(alternative)

$U_0 > 15\% U_n$, voltage signaling

$U_0 > 45\% U_n$, normal voltage signaling

Connecting lead: 1—12m

Ambient temperature range: -25--+55°C

Safe voltage for interface: < 30 V

Protective system: IP42 (IP54)

Dimensions(W x H x D): 96 X 48 X 110 mm, cut dimensions on panel: 91X44 mm

Adapted sensors:

Capacitive insulators with 10pF (40.5kV) , 15pF(24kV), 20pF(12kV), 40pF(7.2kV), etc.

Capacitive insulators or bushings with capacitive tap with equivalent coupling capacity and voltage level as mention above

Customized for individual solutions

EVI-R (or DXN-Q)

As EVI standard design, and add

Auxiliary voltage: 48V,60V, 110V, 220V DC/110V, 220V AC

Relay-switching power: 8A,250V/AC

Dimensions(W x H x D): 96 X 48 X 110 mm, cut dimensions on panel: 91X44 mm

EVI-S(or DXN-F)

As EVI standard design, but different in structure and dimensions, or customized for individual solutions.

