

### Types of SPD

**Type 1 SPD is characterized by a 10/350  $\mu$ s current wave.**

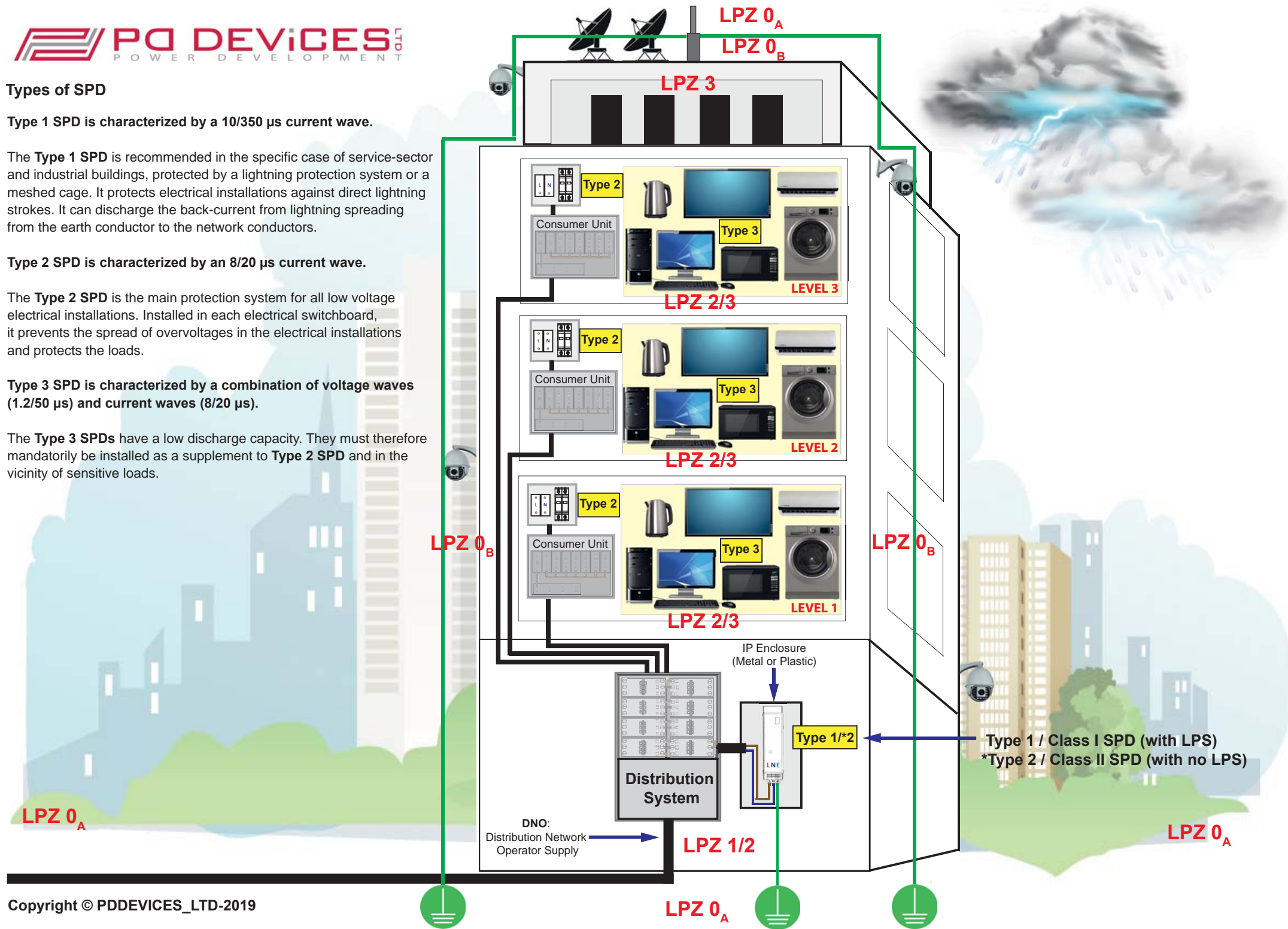
The **Type 1 SPD** is recommended in the specific case of service-sector and industrial buildings, protected by a lightning protection system or a meshed cage. It protects electrical installations against direct lightning strokes. It can discharge the back-current from lightning spreading from the earth conductor to the network conductors.

**Type 2 SPD is characterized by an 8/20  $\mu$ s current wave.**

The **Type 2 SPD** is the main protection system for all low voltage electrical installations. Installed in each electrical switchboard, it prevents the spread of overvoltages in the electrical installations and protects the loads.

**Type 3 SPD is characterized by a combination of voltage waves (1.2/50  $\mu$ s) and current waves (8/20  $\mu$ s).**

The **Type 3 SPDs** have a low discharge capacity. They must therefore mandatorily be installed as a supplement to **Type 2 SPD** and in the vicinity of sensitive loads.



Type 1 / Class I SPD (with LPS)  
\*Type 2 / Class II SPD (with no LPS)