

## TN009 – Sonnen Installation – Protection by Barrier, Bollard or Wall

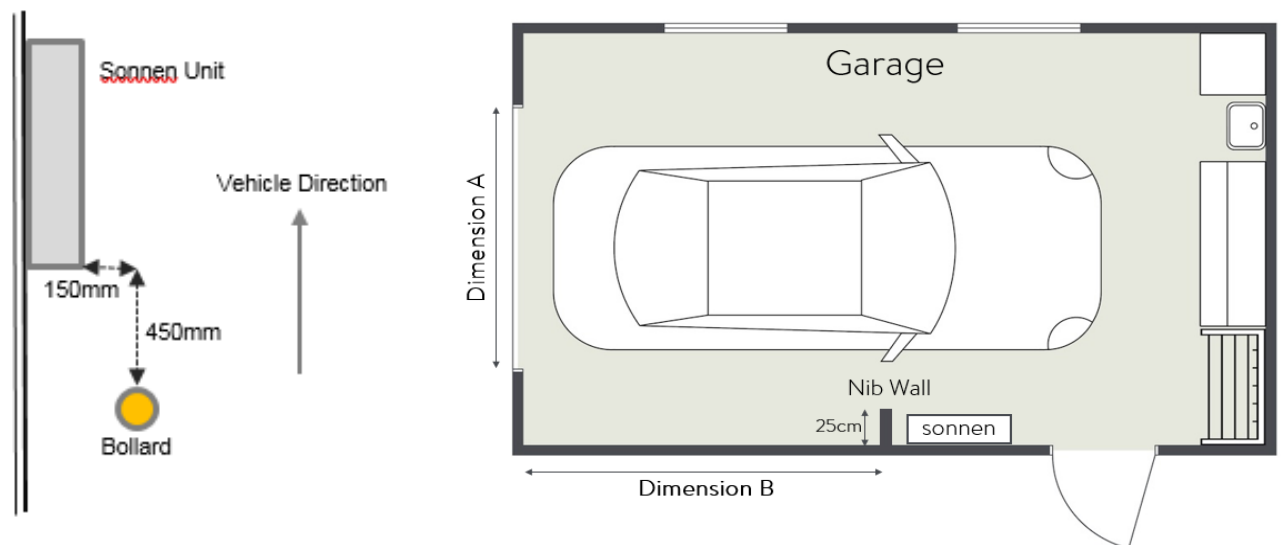
In section 4.1.3 External Influences of AS/NZS 3000 it states that;

All electrical equipment shall have the characteristics appropriate to the condition to which it is likely to be exposed, to ensure that the electrical equipment is able to function properly at the intended point of installation.

The characteristics may comprise –

- (a) Suitable design and construction properties of the electrical equipment
- or
- (b) Additional means, provided as part of the electrical installation that do not adversely affect the operation of the electrical equipment, to effectively protect against the presence and extent of relevant environmental and other influences.

Damage from external influences may include a series of potential risks and as per AS/NZS3000 as it covers situations arising from exposure to one or any combination as appropriate, the primary purpose of this tech note and risks associated with installation the sonnen unit within a garage location is the risk of mechanical damage mainly from a vehicular collision.



It is the recommendation of Sonnen Australia that in any location that has the potential mechanical damage risk posed by a vehicle or moving object that bollard or barrier (certified to AS/NZS 3845:1999) or nib wall be constructed as detailed to reduce the risk of a hazardous collision situation.

Any barrier or bollard shall be secured in accordance with the manufactures recommendations and in accordance with the stated Standard.

The set back for any nib wall needs to be equal to or greater than the opening width of the garage door (Dimension B is equal to or great than Dimension A).

If you have any further questions or require support or assistance, please contact us at support@sonnen.com.au.