Wireless range

Radio protocol cSP-L · https://faqdoc.info/en/systemauswahl/alpha-smartware-en/radio-protocol-csp-l-en/whats-the-oem-alpha-smart-systems-wireless-range/

What’s the OEM Alpha smart system’s wireless range?

When the frequency is 868.3 Mhz, a very good wireless range is achieved depending on the device. Unfortunately, the wireless range of a device cannot be specified in general terms. Wireless signals can be affected by structural conditions, high humidity, furnishings or metal-coated surfaces. Which is why the free-field range is the established way of stating the range of wireless signals. It describes the range of wireless signal in an open space, i.e. without interference and is between 200 m and 400 m in the case of cSP-L.

Due to the above-mentioned reasons, the range in buildings is lower, but sufficient under normal circumstances to ensure reliable wireless communication.