















## KNX IP Interface 740 *wireless*

Interface between WLAN and the KNX bus

### Range estimation



The radio transmission of the KNX IP Interface 740 wireless is based on IEEE 802.11b/g and legal restriction of transmission power applies. The range coverage of the wireless interface therefore is similar to other WiFi/WLAN devices, wireless DSL routers for example. The coverage depends primarily on the distance between your laptop and the interface and on the environment in your building (thick concrete walls etc). The wireless interface in your laptop can also influence the range coverage of the system. A simple estimation of expected coverage can be done with the following table. The transmission power can be interpreted as 100 points:

Your environment		Loss	
	Drywall 15 cm		10 points
	Concrete 12 cm		10 points
	Reinforced concrete 12 cm		15 points
	Brick 24 cm		30 points
	Air 5 m		30 points
	Air 15 m		50 points
	Air 30 m		80 points

To extend the distance a WiFi/WLAN repeater may be used. The KNX IP Interface 740 wireless has been tested successfully with the Fritz!WLAN repeater n/g.