

## Ballasts in medical rooms

### Disturbances of electro medical devices by ballasts:

TridonicAtco ballasts fulfil all relevant requirements for the use in rooms with sensitive electro medical devices as EEG (electroencephalograph) and ECG (electrocardiograph). The magnetic field strength has to be lower than  $2 \times 10^{-7}$  Tesla for the EEG and  $4 \times 10^{-7}$  for the ECG.

The following distances have to be complied to fulfil these requirements.

Ballast family	EC	PC	PCA
EEG	60 cm	0 cm	0 cm
ECG	45 cm	0 cm	0 cm

There exists no minimum distance for the electronic ballast families PC and PCA due to the extreme low magnetic stray field.

### Disturbances of ballasts by electro medical devices:

TridonicAtco ballasts are insensitive to external magnetic fields which are typically generated by medical devices. This means that TridonicAtco ballasts can be also used in rooms which are equipped e.g. with magnetic resonance scanner.

**Applications engineering**  
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