MOUNTING THE ANTENNA PANEL

Antenna Panel Kit

The **Antenna Panel kit** contains the following components:

- Antenna Panel
- Mounting instructions
- Antenna Panel mounting kit:
    - 4 x Washers M8 x 21 mm flat Stainless steel
    - 4 x Bolt M8 x 70mm HEX Stainless steel
    - 4 x Nut M8 HEX Stainless steel
    - 4 x Screw Wood TEK 14 x 10 90mm
    - 4 x Screw Wood TEK 14 x 10 65mm

Notes on locating the Antenna Panel

Gallagher recommends the following when installing the SmartReader Antenna Panel:
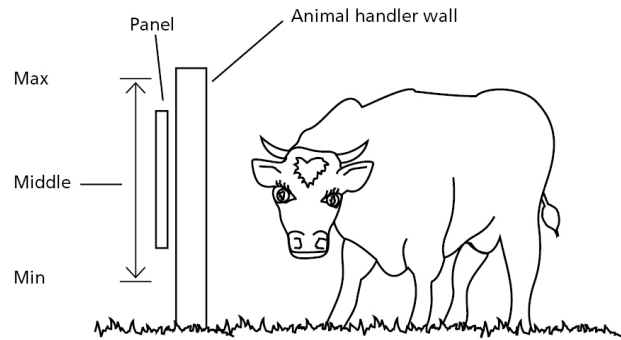
- The Antenna Panel can be mounted onto metal pipe or wood work of the animal handler but not solid steel handler walls.
- The edges of the Antenna Panel contain the antenna windings. This means that when the Antenna Panel is mounted, vertical bars should be kept away from the vertical edges of the Antenna Panel and horizontal bars should be kept away from the horizontal edges of the Antenna Panel.

Considerations

- The position of the Antenna Panel installation depends on the type and size of the animals to be scanned and the size of Antenna Panel to be installed.
- Gallagher recommends you mount the Antenna Panel temporarily while you determine the most appropriate position.
- Mounting the Antenna Panel on a metal animal handler can alter the read range of the SmartReader. Gallagher recommends that the SmartReader is mounted on wood or spaced pipework.
- Multiple SmartReaders can be installed in close proximity to each other, so long as they are synchronised to ensure conflicts do not occur between SmartReaders. For further details, see Installing multiple SmartReaders.
- Use the defined mounting holes, because drilling through the Antenna Panel will damage the antenna.
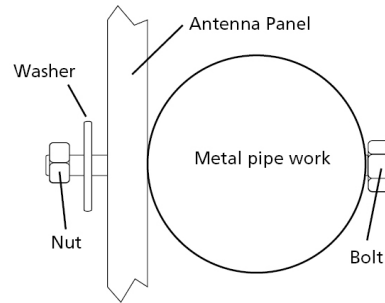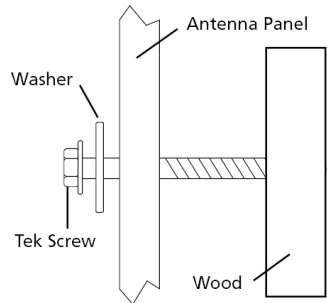
Procedure

1. Measure the vertical range of the Electronic ID tags on the animals to be scanned.

Panel — Animal handler wall

Max

Middle

Min

2. Determine the average height of the Electronic ID and mark this on the **outside** of the animal handler.

3. Determine what the Antenna Panel is to be mounted on, wood or pipe work, and prepare the appropriate mounting hardware from the supplied kit.

Wood - washers and tek screws

Antenna Panel
Washer
Tek Screw
Wood

Pipe work - washers, bolts and nuts
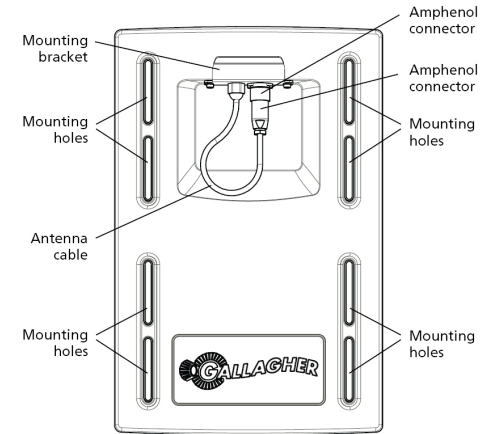
Antenna Panel
Washer
Metal pipe work
Nut
Bolt

4. Using the **defined mounting holes**, mount the Antenna Panel on the **outside** of the animal handler so that the middle of the Antenna Panel matches the average height.
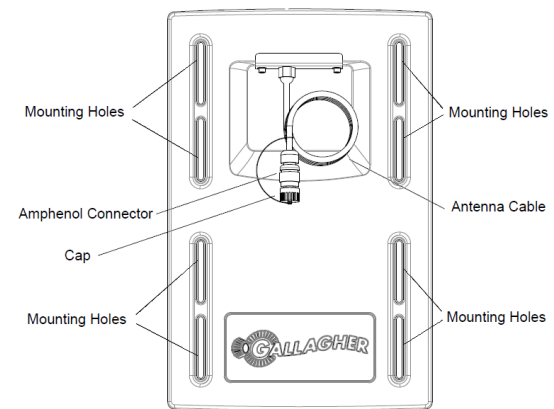
Note: You may want to temporarily attach the Antenna Panel and test the read range prior to permanently attaching the Antenna Panel.

Note: DO NOT drill through the Antenna Panel as it will damage the antenna.

G03121

Mounting bracket
Amphenol connector
Amphenol connector
Mounting holes
Mounting holes
Mounting holes
Antenna cable
Mounting holes
Mounting holes
GALLAGHER

G03124*

Mounting Holes
Mounting Holes
Amphenol Connector
Antenna Cable
Cap
Mounting Holes
Mounting Holes
GALLAGHER

*includes 6m fixed cable