

Drying agent in all waterproof Galaxis devices V2.1

(PFE Advanced 10/20 Outputs, PFC Advanced Black Edition & L-Flame Flame Head)

General information:

The air volume inside of the devices is hermetically sealed. To prevent condensation occurring when the devices cool down, the devices contain a drying agent that keeps the air dry at all times. The desiccant is drying the air constantly. The dried air completely prevents corrosion in the long run and a very high lifetime expectancy is achieved.

Air exchanges through the breather membrane which is required for pressure equalization and therefore the desiccant will be saturated after some time. The saturation is accelerated by high temperature differences and high humidity of the external air. According to our practical experience the desiccant needs to be renewed every one to three years.

The device monitors electronically if the drying effect of the desiccant is sufficient. There is a submenu item, which informs you if the humidity inside of the device is OK or if the 30% threshold has been exceeded. In addition, a warning signal will be given after power-up if the humidity is too high. When performing remote data requests of this device a warning will be displayed as well. This message is for your information. The device can still be operated.

Another advantage of the humidity monitoring is that leakages can be detected. If moisture should ingress, the desiccant will be saturated very quickly. Thus, it becomes apparent that the enclosure is not tight.

If the humidity warning is given you should send the device to the manufacturer for desiccant replacement or you change it yourself.

Modification of the device to enable the customer to replace the drying agent by himself: (here the PFE Advanced 10 Outputs is shown as an example)



All devices that have been manufactured later than June 2010 are equipped with a screw on the right long side of the housing. A tube which has been filled with drying agent has been installed in the device behind that screw. Due to that, the user is enabled to easily change the drying agent by himself. All other equipment with desiccant has always been equipped with a screw for replacing the desiccant.

Devices, which have been delivered earlier and therefore are not equipped with this feature, can be retrofitted with it at low costs.



We ship the drying agent packed in small airtight bags. The amount per bag is sufficient for exactly one device. Never use any other drying agent.

Please order the amount that is necessary as soon as the old drying agent became saturated. You may order higher amounts because the shelf life is in principle almost unlimited.

You will find an indicator sheet in the bag. Its purpose is to monitor if the bag was hermetically sealed all the time. A description how to analyse it can be found printed on the sheet.



Open the large screw on the right long side of the housing by using a hexagon socket screw key of size 5. Remove the screw and the plastic seal.

On the PFC Advanced Black Edition & L-Flame Flame Head units this screw is located on the underside of the devices as standard. At the PFE Advanced 20 Outputs it is on the rear side.

Turn the device around so that the desiccant material comes out. Hold the device diagonal with the hole pointing down so that the old saturated drying agent is completely removed and the inner reservoir is emptied. Move the device a little back and forth so that all remains of the granulate are completely removed. The used up drying agent can be disposed of as domestic waste.



Now you can fill in fresh drying agent. We offer a special cone as an accessory part to make this procedure less difficult. Put the device on an even surface with the filling hole pointing upwards. Then apply the cone. Fill in the new drying agent slowly. If you lift the device on the side of the filling hole the granulate is trickling little by little into the reservoir inside the device. Move the device forth and back so that the granulate is distributed evenly in the pipe and the full amount of desiccant can be filled in.

If necessary, you can also help with a small screwdriver so that the granulate trickles better into the appliance.

Insert the screw with the sealing and fasten the screw hand-tight again. Make sure that the surfaces are clean when doing so.