



**Night
Planner**



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This document is of a commercial nature and the characteristics reflected are not binding for specific projects. The characteristics of the product will be specified in the final documentation of each project.



NIGHT PLANNER

The night scheduler is a SCADA control system that simplifies maintenance tasks. The controller sends a group of trackers (or all of them) to a predetermined angle at dusk. In the morning, before starting the tracking, the trackers return to TRACK mode. Both schedules are configurable. This controller is ideal for scheduling maintenance tasks because it eliminates the need for the SCADA operator to monitor the system during the work or allows the tracker to be configured at high angles to take advantage of the morning dew for panel cleaning.

The planner allows you to configure the following parameters:

Receivers

✓ Set of trackers on which we want the planner to act, i.e. the trackers to be moved. It can be configured at tracker, Gateway, subfield or complete installation level.

Activation time

✓ This is the time (days, weeks, months) at which we want the scheduler to run. It will be executed iteratively, i.e. every day of the week. A time must be specified at which the tracking curve is finished, i.e. it must be configured for sunset.

Stop time

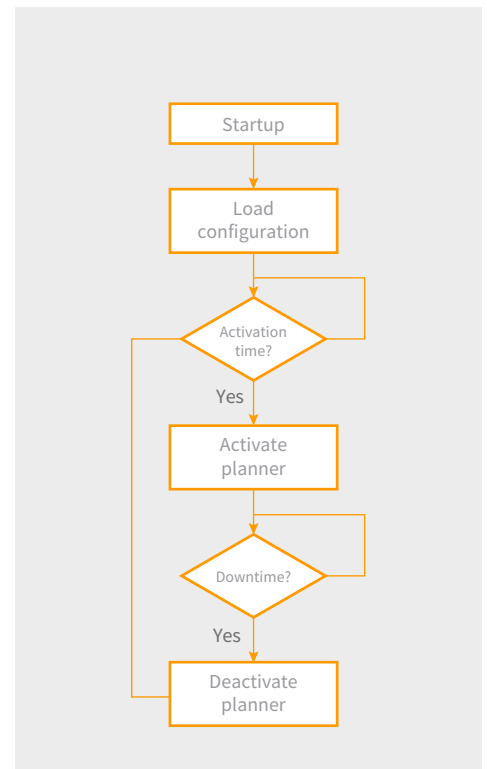
✓ Time at which we want the planner to end and return to TRACK. It must be before the start time of tracking in the morning.

Target angle

✓ It is the target angle at which to send the trackers when the planner is activated, it can be any angle between the maximum and minimum tracking angle.

Alternate days

✓ This option allows to change the target angle, to its inverse, on alternate days. If this option is configured, on even days it would move to 45° (or configured target angle) and on odd days to -45°.



Below, we clarify some points of the diagram:

✓ Activate planner: Activating the planner sends the receivers to the configured target angle.

✓ Deactivate planner: this refers to stopping the planner so that the controller sends the receivers back to TRACK to start tracking in the morning.

✓ The activation time must be set after sunset, i.e. when the tracking is finished. On the other hand, the stop time should be set before sunrise and start tracking in the morning.

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