

•

READY Collector

Installation quick guide

IMPORTANT: Read before installation





Quick Guide Installation Steps



Preconditions

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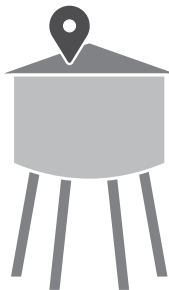
Preconditions – who and where to install?



Only **Kamstrup approved installers** are allowed to perform this installation!

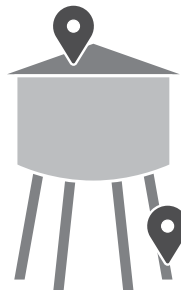


Installation site:
Collector Top



1

Installation site: From Coll.
Top to Collector Base



2









Installation site:
Collector Base









3

Please follow local electrical code standards, low voltage installation standards, and OSHA safety guidelines when installing the READY Collector and any related components.




 <p>AMI antennas</p>	 <p>AMI Antenna Cables [x2]</p>	 <p>Antenna Beam Bracket Bolts</p>
 <p>AMI Antenna Brackets</p>	 <p>Antenna Beam</p>	 <p>Antenna Beam Brackets Fittings</p>  <p>Antenna Beam Brackets</p> 

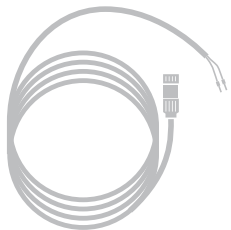


 <p>Collector Top</p>	 <p>Brackets for Collector Top</p>  <p>Fittings</p>
 <p>Fittings for adapter plate</p>	 <p>Adapter plate for Collector Top</p> 

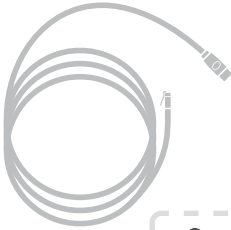





Further info / instructions:
kamstrup.com
 Document: 5512-2273



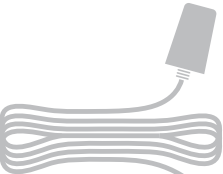
Power Cable




Ethernet Cable




Optional hardware




Cellular Antenna




Modem





Fittings



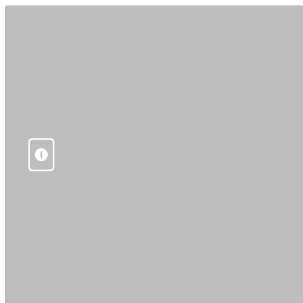
Angle Bracket



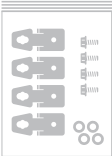
Installation Manual




Fittings




Collector Base




Brackets for Collector Base




Installation Manual




Mount READy Collector Top




Collector Top




Installation Manual




Adapter Plate for Collector Top




Brackets for Collector Top



Fittings for Brackets



Fittings for Adapter Plate



Mount Collector Top on wall

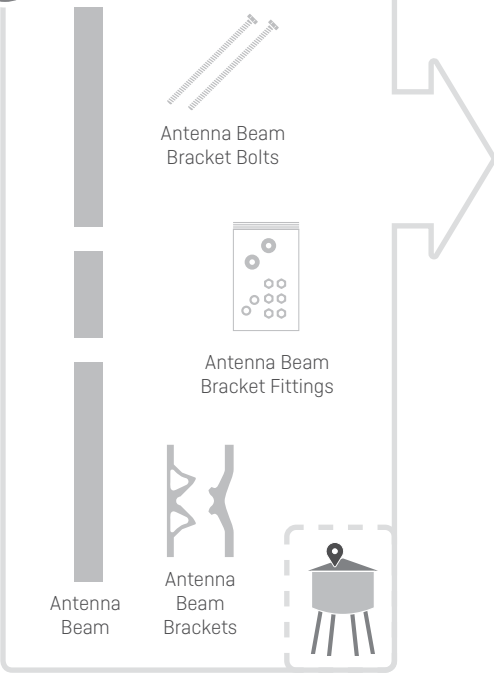
Add suitable fittings for mounting the Collector Top on e.g. wall or pole

Mount Collector Top on pole

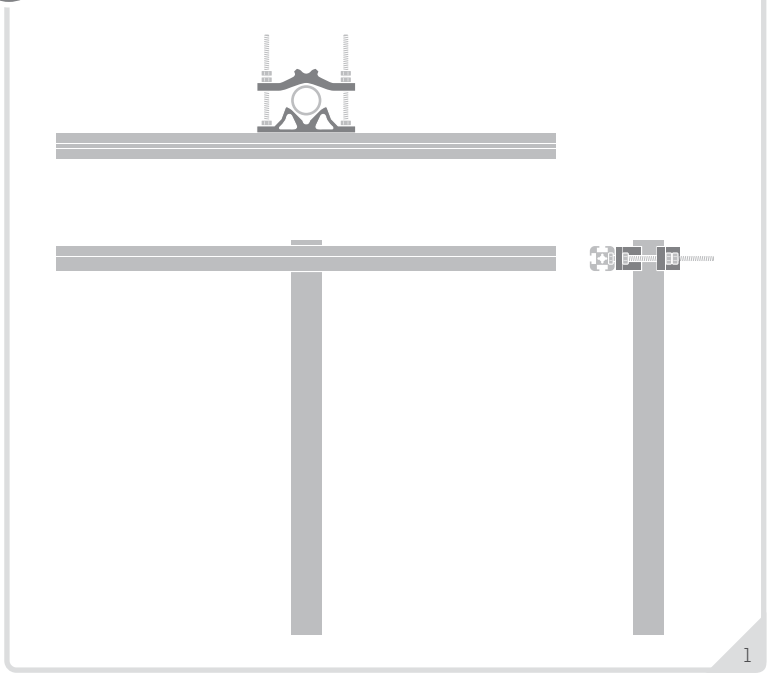


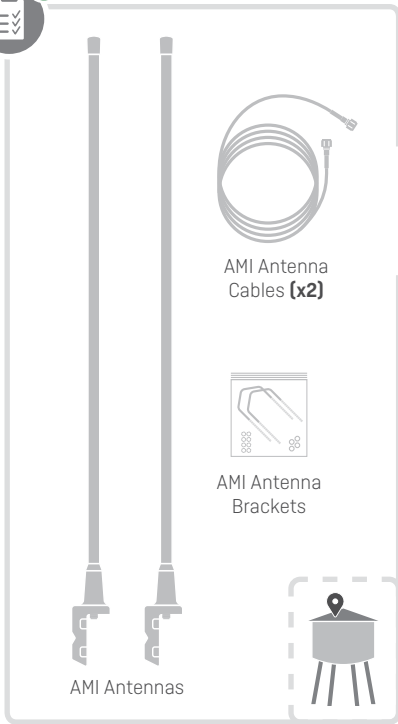
Connect to frame

For correct grounding of installation follow standard US electrical code.
- The lightning rod must not be a part of the installation structure.

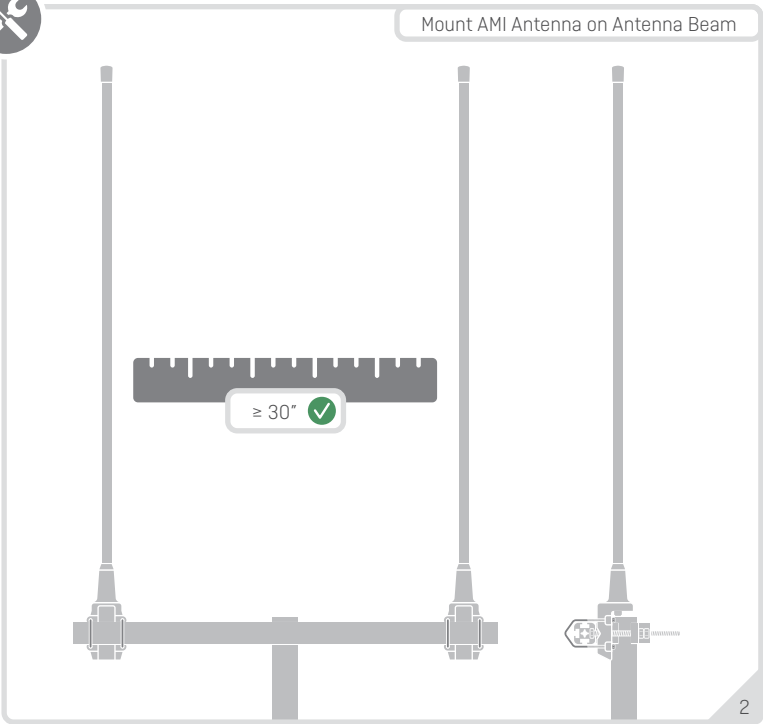


Mount brackets on Antenna Beam on site (pole)



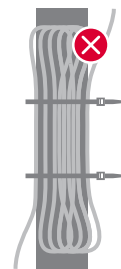
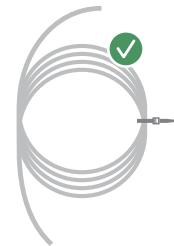
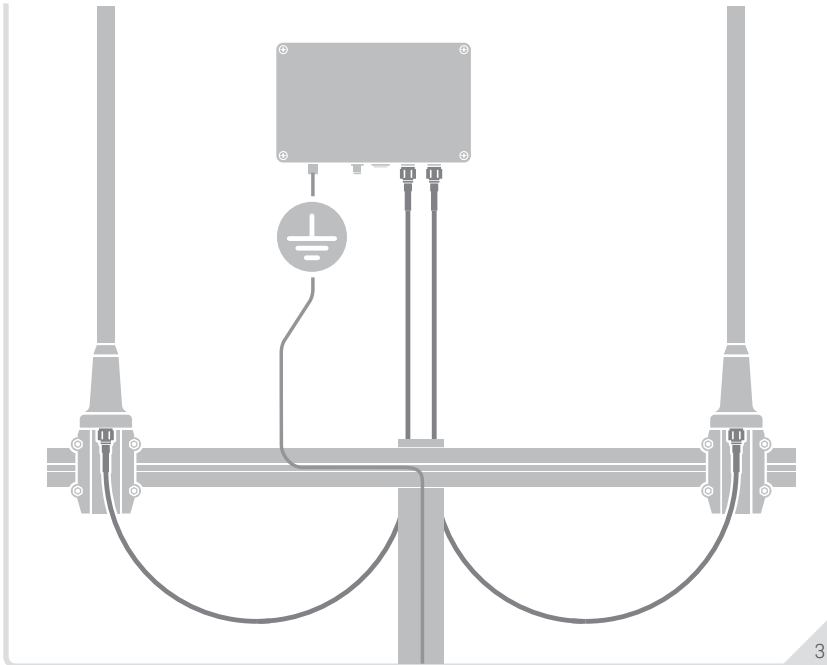


Mount AMI Antenna on Antenna Beam

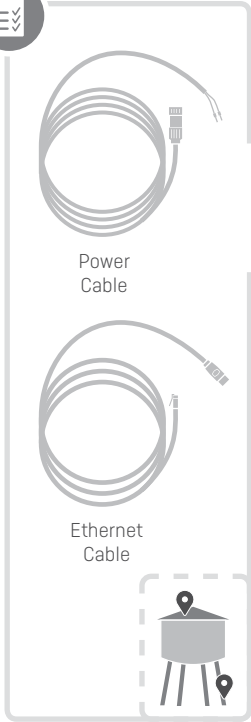




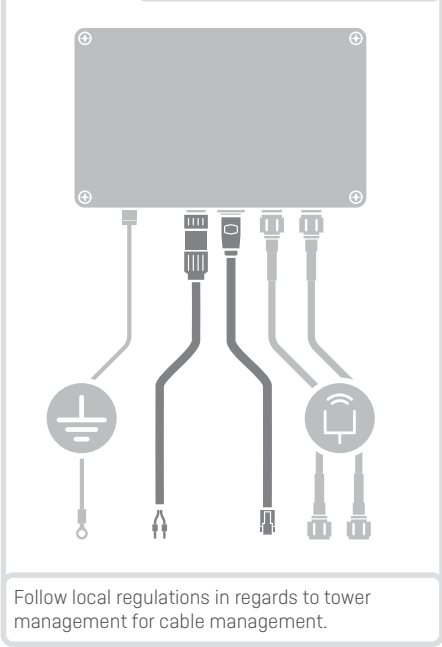
Connect Collector Top and AMI Antenna with AMI cables



Connect cables to Collector Top [cables between Collector Top & Collector Base]



Connect power cable and ethernet cable to Collector Top



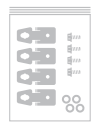
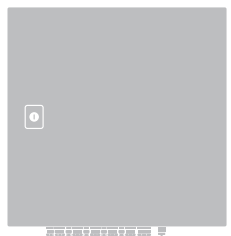
Follow local regulations in regards to tower management for cable management.



Mount READY Collector Base



Installer must use accepted industry practices in accordance with local code and ANSI/TIA or any other applicable US standards.



Collector Base Brackets



Collector Base



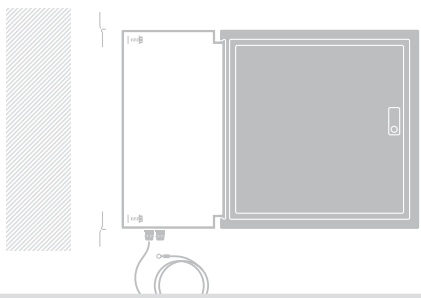
Fittings



Installation Manual



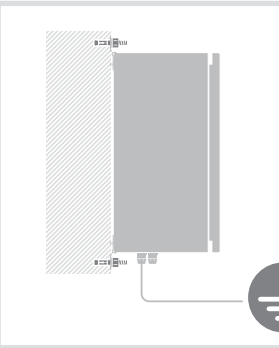
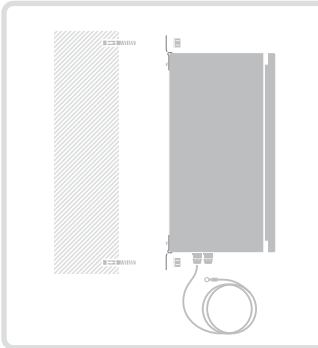
Mount brackets on Collector Base



1



Add suitable fittings for mounting the Collector Base



Mount the Collector Base on the wall and connect it to the frame



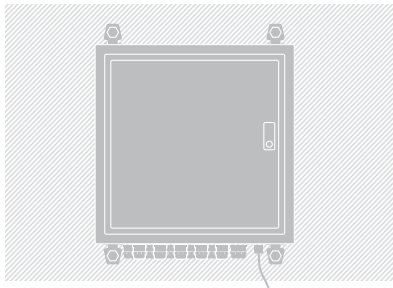
2



Mount READy Collector Base

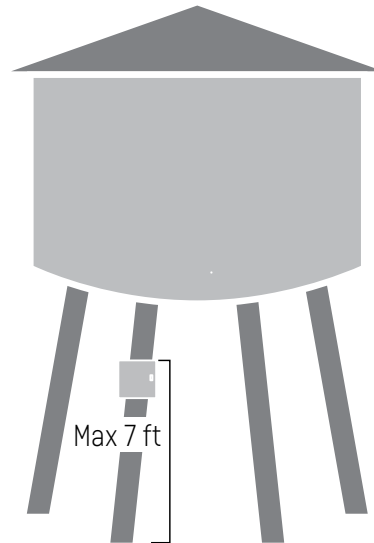


You **MUST** install the back of the base box against the surface of the installation structure.



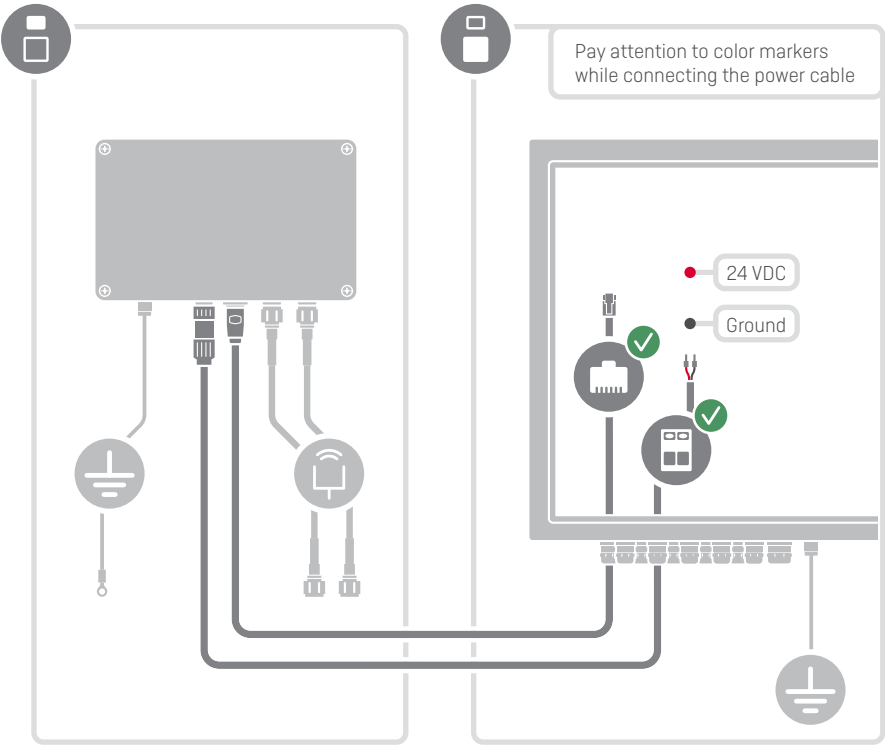
3

The height from the ground to the top of the base box **MUST NOT** exceed 7 ft.

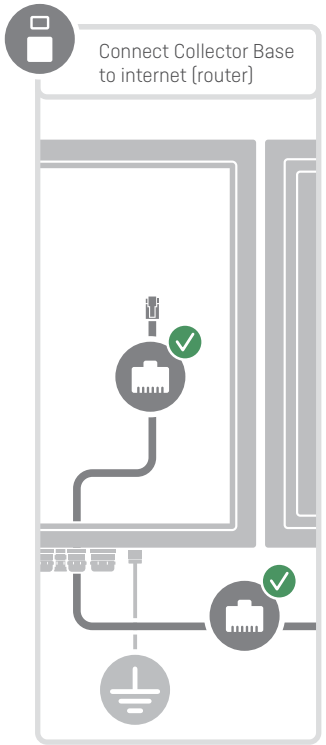


4

 Connect cables to Collector Base (cables between Collector Top & Collector Base)

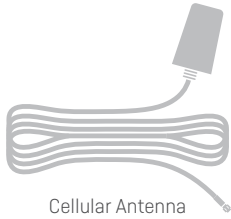


 Connect to internet (router)





Optional: Connect to internet with Cellular Antenna and mount Cellular Antenna



Cellular Antenna



Modem



Fittings



Angle Bracket



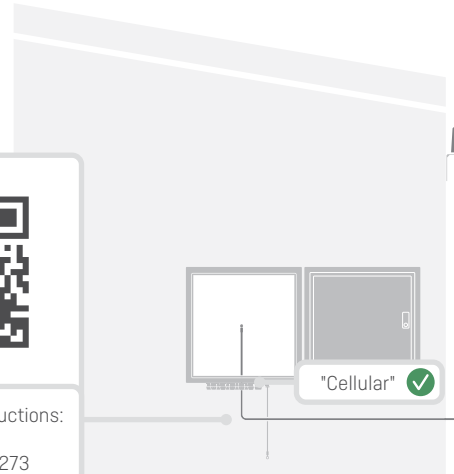
Installation Manual



Mount the Cellular Antenna outside the Collector Base as high as possible. Connect the antenna cable to the antenna input "Cellular" on the modem



Further info / instructions:
kamstrup.com
Document: 5512-2273



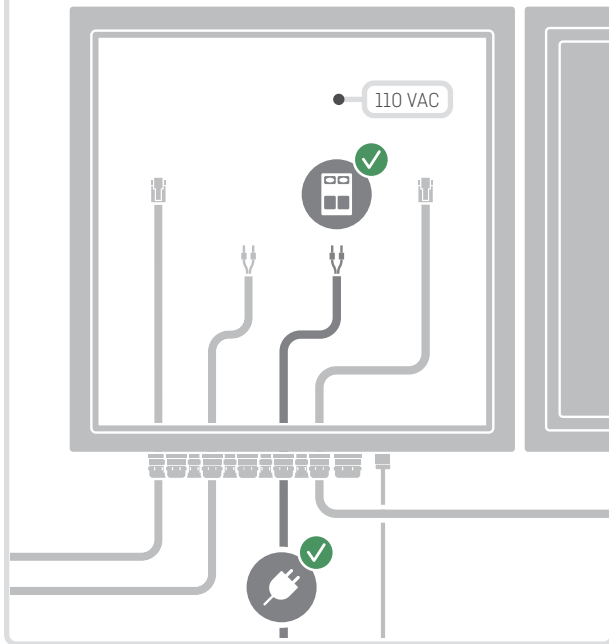
DISCLAIMER: Cellular antenna must have at least 12" clearance from any other electrical components



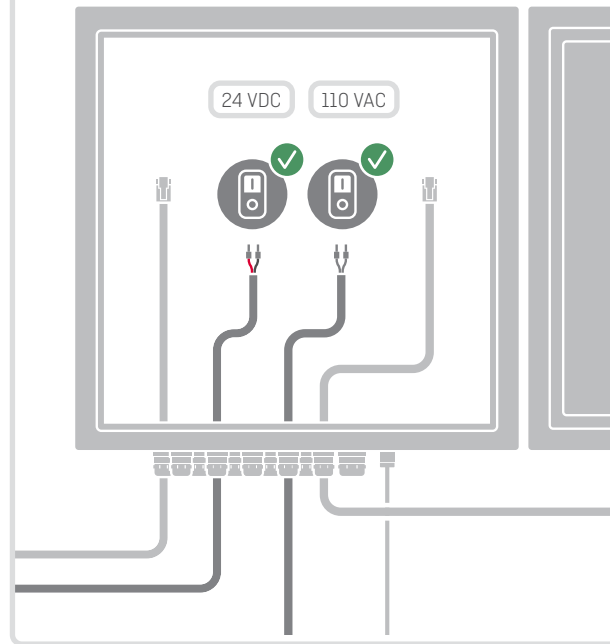
Power on



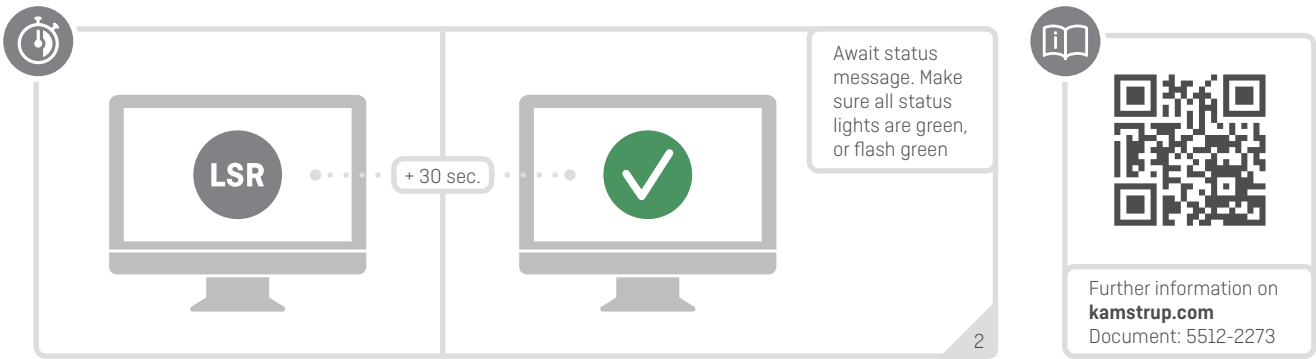
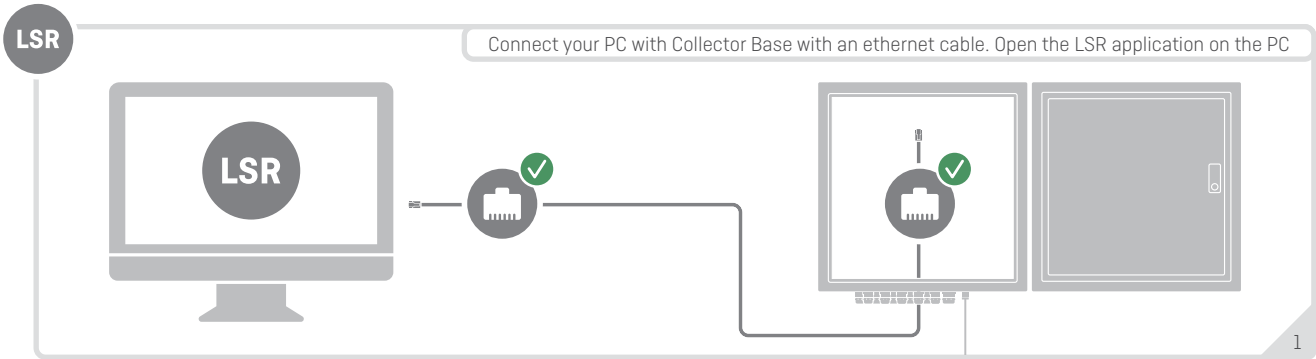
Connect cable for power supply to Collector Base



Turn on power on the switches inside the Collector Base



 Check installation





Installation check list

Site location: _____ GPS coordinates: _____

Site owner: _____

Utility: _____

Checklist for READy Collector installation	Yes / No
Is the READy Collector Base installed above ground level, to prevent damage due to floods and in a height of max 7 ft?	
Is the READy Collector Base easy accessible? If yes, can it then be locked to prevent intruders?	
Are the antennas installed according to approved location and installation standards and is the base of the antenna above 6 feet from the center surface of the water towers and at least 16 feet from the edge of the water tower for omni directional coverage?	
Are the antennas brackets and mounting structure grounded to protect against lightning? (See installation guides for guidance)	
Is there any other radio equipment installed in close proximity to the Collector?	
Are antennas at least 6 ft away from any other equipment or antennas?	



Notes

A large rectangular area with a light gray border, containing ten horizontal lines for writing notes.

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