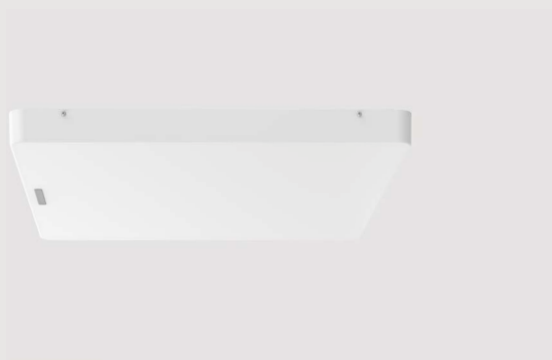


AdvanFlow-350™

Overhead RFID
transition portal





Benefits:

- Sales increase in retail stores by keeping full control of the stock in real time
- Works fully autonomously
- Generates automatic stock movements

Applications:

- Tracking movement of goods inside stores: from stock room to store front, between stock rooms, between floors, ...
- Tracking goods entering and exiting the fitting room area

Product overview

Many retailers use handheld RFID readers for taking periodic stock counts and keeping a high stock accuracy. However, between stock counts, the retailer may lose visibility of the real stock in the stock room and in the sales floor.

AdvanFlow family of products (AdvanFlow-100, AdvanFlow-200 and AdvanFlow-350) are RFID-based transition portals that allow the retailer to keep full control of the stock in real time. In this way, the retailer replenishes or restocks items when needed, which improves the customer shopping experience and increases sales.

AdvanFlow is placed in the space between the stockroom and the storefront, and detects the tagged items being moved from back to front and vice versa.

Direction detection is either entered manually through a touchscreen (AdvanFlow-100), or done automatically (AdvanFlow-200) without the need of any external sensors. Detected items are uploaded directly to AdvanCloud or are sent to 3rd party IT systems.

AdvanFlow is specially designed for areas with tagged items in close proximity.

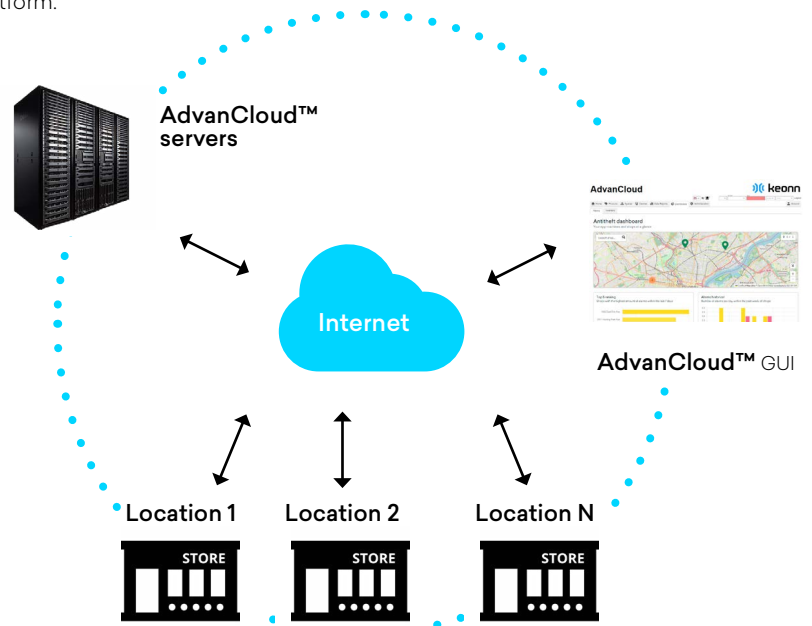
AdvanFlow does not need any external computer. It works fully autonomously and generates Move events. When operating with Keonn's AdvanCloud, the Move events are transformed into automatic stock movements.

AdvanFlow-350 combines **RFID detection** with a **millimeter wave sensor** (AdvanView). This combination delivers enhanced performance and smarter detection:

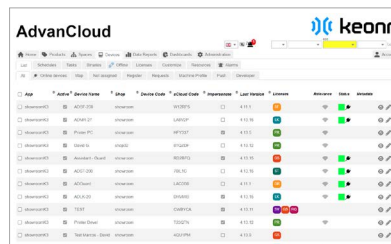
- Detects the tagged items passing through
- Detects if a person is crossing, which avoids false positives created by signal reflections or by people getting close without crossing
- Obtains direction of movement

Connection to AdvanCloud

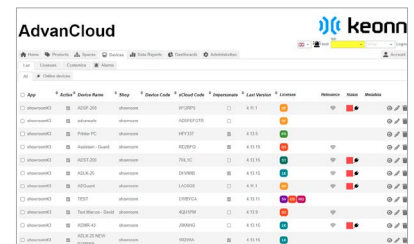
AdvanFlow-350 can be optionally connected to AdvanCloud cloud-based software platform.



Device remote management



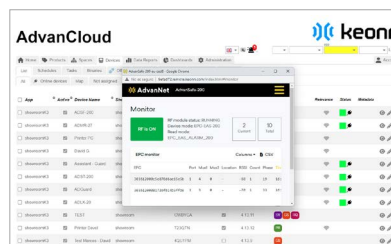
App	Device Name	Device Code	Device Type	Last Update	Status	Location	Model
AdvanFlow-350	ADFP-001	ADFP001	ADFP-001	4/15/15	Online	Store 1	ADFP-001
AdvanFlow-350	ADFP-002	ADFP002	ADFP-002	4/15/15	Online	Store 1	ADFP-002
AdvanFlow-350	ADFP-003	ADFP003	ADFP-003	4/15/15	Online	Store 1	ADFP-003
AdvanFlow-350	ADFP-004	ADFP004	ADFP-004	4/15/15	Online	Store 1	ADFP-004
AdvanFlow-350	ADFP-005	ADFP005	ADFP-005	4/15/15	Online	Store 1	ADFP-005
AdvanFlow-350	ADFP-006	ADFP006	ADFP-006	4/15/15	Online	Store 1	ADFP-006
AdvanFlow-350	ADFP-007	ADFP007	ADFP-007	4/15/15	Online	Store 1	ADFP-007
AdvanFlow-350	ADFP-008	ADFP008	ADFP-008	4/15/15	Online	Store 1	ADFP-008
AdvanFlow-350	ADFP-009	ADFP009	ADFP-009	4/15/15	Online	Store 1	ADFP-009
AdvanFlow-350	ADFP-010	ADFP010	ADFP-010	4/15/15	Online	Store 1	ADFP-010



App	Device Name	Device Code	Device Type	Last Update	Status	Location	Model
AdvanFlow-350	ADFP-011	ADFP011	ADFP-011	4/15/15	Online	Store 1	ADFP-011
AdvanFlow-350	ADFP-012	ADFP012	ADFP-012	4/15/15	Online	Store 1	ADFP-012
AdvanFlow-350	ADFP-013	ADFP013	ADFP-013	4/15/15	Online	Store 1	ADFP-013
AdvanFlow-350	ADFP-014	ADFP014	ADFP-014	4/15/15	Online	Store 1	ADFP-014
AdvanFlow-350	ADFP-015	ADFP015	ADFP-015	4/15/15	Online	Store 1	ADFP-015
AdvanFlow-350	ADFP-016	ADFP016	ADFP-016	4/15/15	Online	Store 1	ADFP-016
AdvanFlow-350	ADFP-017	ADFP017	ADFP-017	4/15/15	Online	Store 1	ADFP-017
AdvanFlow-350	ADFP-018	ADFP018	ADFP-018	4/15/15	Online	Store 1	ADFP-018
AdvanFlow-350	ADFP-019	ADFP019	ADFP-019	4/15/15	Online	Store 1	ADFP-019
AdvanFlow-350	ADFP-020	ADFP020	ADFP-020	4/15/15	Online	Store 1	ADFP-020

List of devices (online/offline)

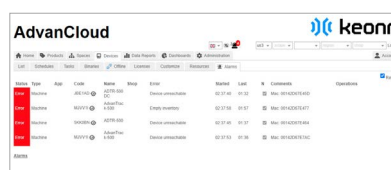
Check if devices connected to AdvanCloud are online (green) or offline (red).



App	Device Name	Device Code	Device Type	Last Update	Status	Location	Model
AdvanFlow-350	ADFP-001	ADFP001	ADFP-001	4/15/15	Online	Store 1	ADFP-001
AdvanFlow-350	ADFP-002	ADFP002	ADFP-002	4/15/15	Online	Store 1	ADFP-002
AdvanFlow-350	ADFP-003	ADFP003	ADFP-003	4/15/15	Online	Store 1	ADFP-003
AdvanFlow-350	ADFP-004	ADFP004	ADFP-004	4/15/15	Online	Store 1	ADFP-004
AdvanFlow-350	ADFP-005	ADFP005	ADFP-005	4/15/15	Online	Store 1	ADFP-005
AdvanFlow-350	ADFP-006	ADFP006	ADFP-006	4/15/15	Online	Store 1	ADFP-006
AdvanFlow-350	ADFP-007	ADFP007	ADFP-007	4/15/15	Online	Store 1	ADFP-007
AdvanFlow-350	ADFP-008	ADFP008	ADFP-008	4/15/15	Online	Store 1	ADFP-008
AdvanFlow-350	ADFP-009	ADFP009	ADFP-009	4/15/15	Online	Store 1	ADFP-009
AdvanFlow-350	ADFP-010	ADFP010	ADFP-010	4/15/15	Online	Store 1	ADFP-010

Remote Access to AdvanNet (Keonn RFID readers)

Access remotely to AdvanNet from AdvanCloud for managing Keonn RFID readers.

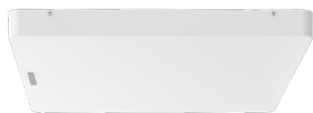


App	Device Name	Device Code	Device Type	Last Update	Status	Location	Model
AdvanFlow-350	ADFP-001	ADFP001	ADFP-001	4/15/15	Online	Store 1	ADFP-001
AdvanFlow-350	ADFP-002	ADFP002	ADFP-002	4/15/15	Online	Store 1	ADFP-002
AdvanFlow-350	ADFP-003	ADFP003	ADFP-003	4/15/15	Online	Store 1	ADFP-003
AdvanFlow-350	ADFP-004	ADFP004	ADFP-004	4/15/15	Online	Store 1	ADFP-004
AdvanFlow-350	ADFP-005	ADFP005	ADFP-005	4/15/15	Online	Store 1	ADFP-005
AdvanFlow-350	ADFP-006	ADFP006	ADFP-006	4/15/15	Online	Store 1	ADFP-006
AdvanFlow-350	ADFP-007	ADFP007	ADFP-007	4/15/15	Online	Store 1	ADFP-007
AdvanFlow-350	ADFP-008	ADFP008	ADFP-008	4/15/15	Online	Store 1	ADFP-008
AdvanFlow-350	ADFP-009	ADFP009	ADFP-009	4/15/15	Online	Store 1	ADFP-009
AdvanFlow-350	ADFP-010	ADFP010	ADFP-010	4/15/15	Online	Store 1	ADFP-010

Check device health status

Monitor the active device's health with detailed diagnostics of errors.

Technical Specifications



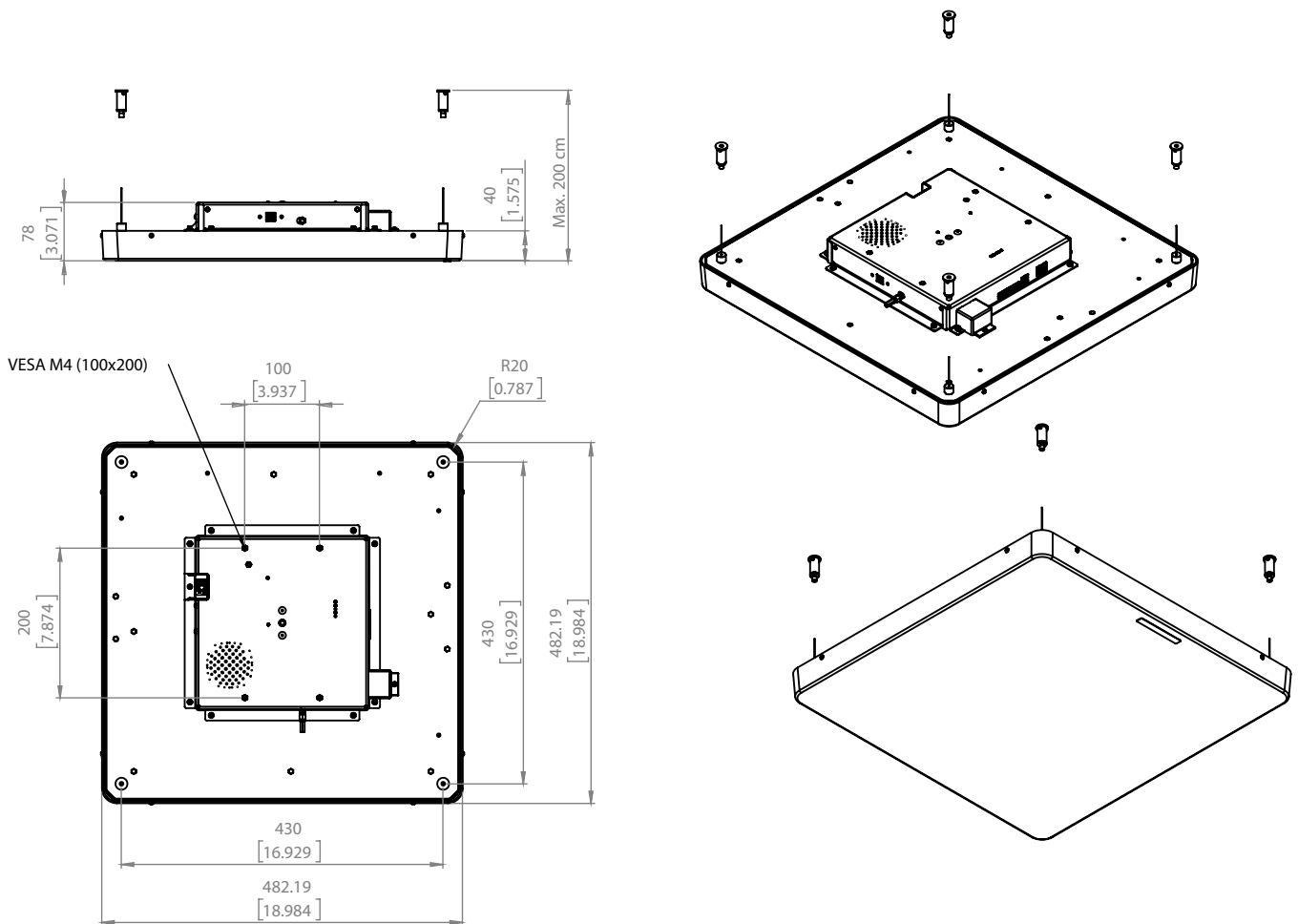
Operating Frequency	FCC (NA, SA) (902 - 928) MHz ETSI (EU, IN) (865.6 - 867.6) MHz ETSI UPPER (915 - 921) MHz MIC (KR) (910 - 914) MHz SRRC-MII (P.R.China) (920.125 - 924.875) MHz (1) Australia (AU) (920.750 - 925.250) MHz New Zealand (NZ) (922.250 - 927.250) MHz Israel (IS) (915.0 - 917.0) MHz (2) Japan (JP) (916.8 - 920.8) MHz (3) Brazil (902 - 907.5) MHz (915 - 928) MHz by using channel selection Chile (916 - 928) MHz by using channel selection Peru (916 - 928) MHz by using channel selection Taiwan (922 - 928) MHz by using channel selection Open Region (4) (865 - 869) MHz and (902 - 928) MHz (by using channel selection) (5)
Detection Height	2.5 - 3 m (recommended) Maximum: 3.5 m (Use maximum height with caution. Read distance depends highly on tag model and products being used)
Radiation pattern	Multiple beam
Beam width	90° / 40° (surrounding widths of all beams)
Polarization	Circular
Alarm Light	Light Emitting Diode (LED)
Alarm Audio	Signal Buzzer
Relay output	Dry contact output 24 VDC / 0.5 A / Resistive load
Alarm function Preset	System gives audio and light alarm by detection of any of the EAS supported modes
Power supply	Power over Ethernet
Energy Consumption	< 14 W max., < 3 W idle
Reader Power	Maximum 31.5 dBm (may be limited to conform to country or area regulations) Recommended max. 30 dBm
Radiated power	2 W ERP, 3.2 W EIRP
Interface	Ethernet and USB
Transponder Protocol Standard	EPC Class1 Gen2 / Gen2x
Operating System	Linux
Temperature range	-20°C to +55°C
Dimensions	Suspension mount 482 mm x 482 mm x 78 mm (19in x 19in x 3.1 in) Ceiling mount 482 mm x 482 mm x 92 mm (19in x 19in x 3.6 in) Flush installation 482 mm x 482 mm x 92 mm (19in x 19in x 3.6 in)
Weight	Suspension mount Primary unit: 3.7 Kg (8.2 lb) - Secondary unit: 3.4 Kg (7.5 lb) Ceiling mount Primary unit: 4.2 Kg (9.3 lb) - Secondary unit: 3.9Kg (8.6 lb) Flush installation Primary unit: 4.8 Kg (10.6 lb) - Secondary unit: 4.5Kg (9.9 lb)
Material Housing	Co-extruded ABS acrylic
Color	Off white Black Custom based on volume
Human exposure	EN 50364
EMC	EN 301 489, EN 300 220
Air Interface (EU)	EN 302 208 v1.2

(1) RF conducted power is limited to 30 dBm.

(2) Open channel specified applies to ETSI/FCC versions.

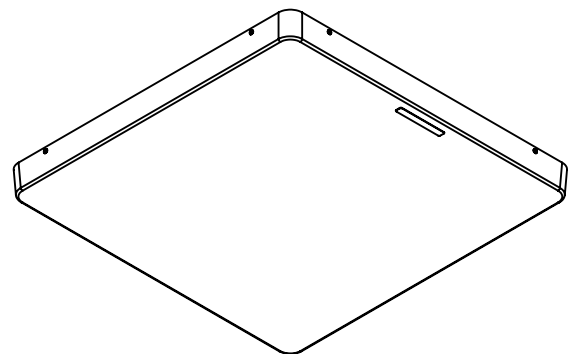
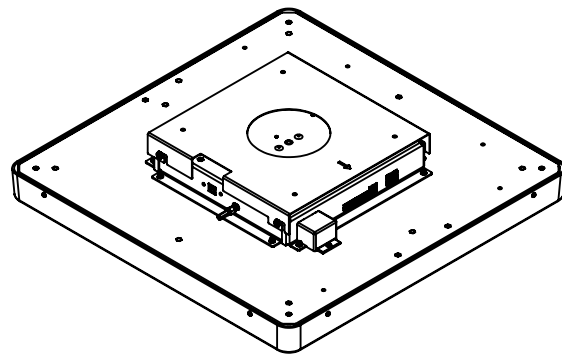
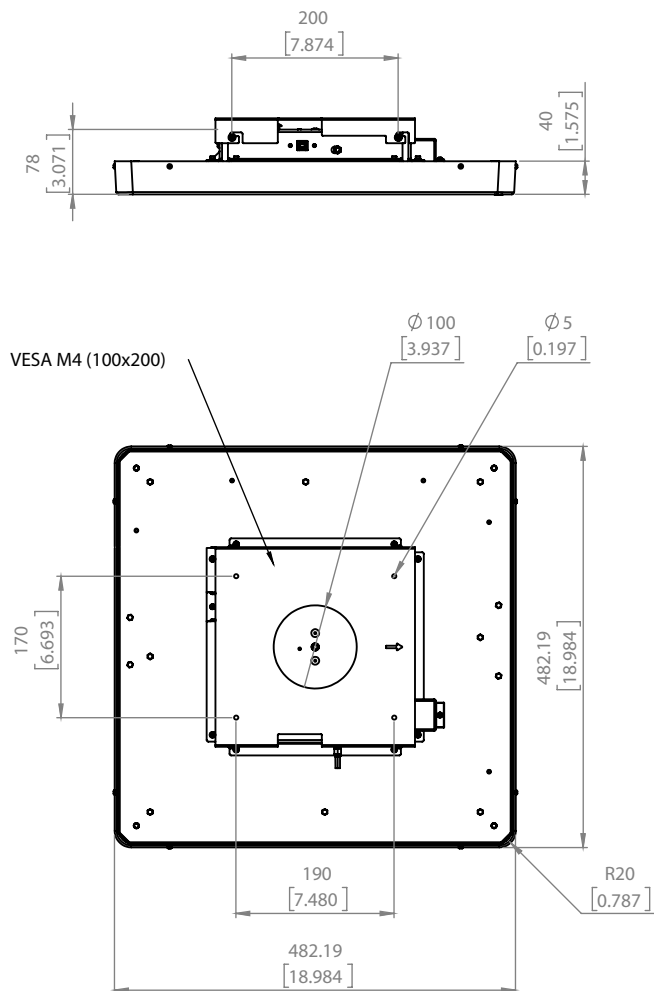
(3) Band is defined as a carrier sub-set from FCC. There is no specific Surface Acoustic Wave (SAW) filter for the band. Given the maximum conducted power there shouldn't be problems with local regulation.

Mechanical specifications of the model with suspended wires



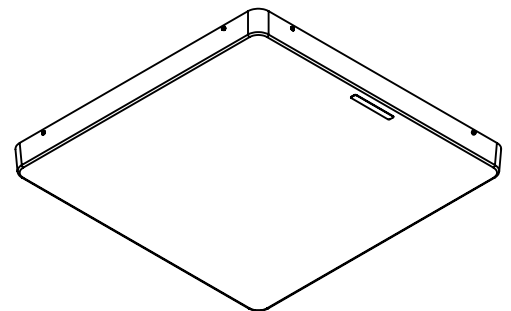
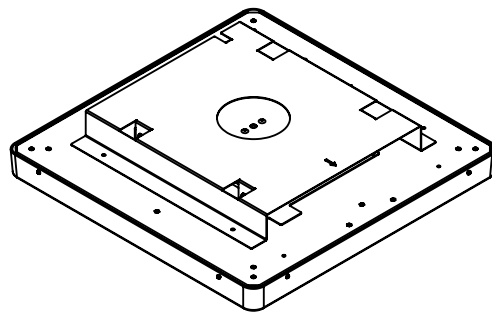
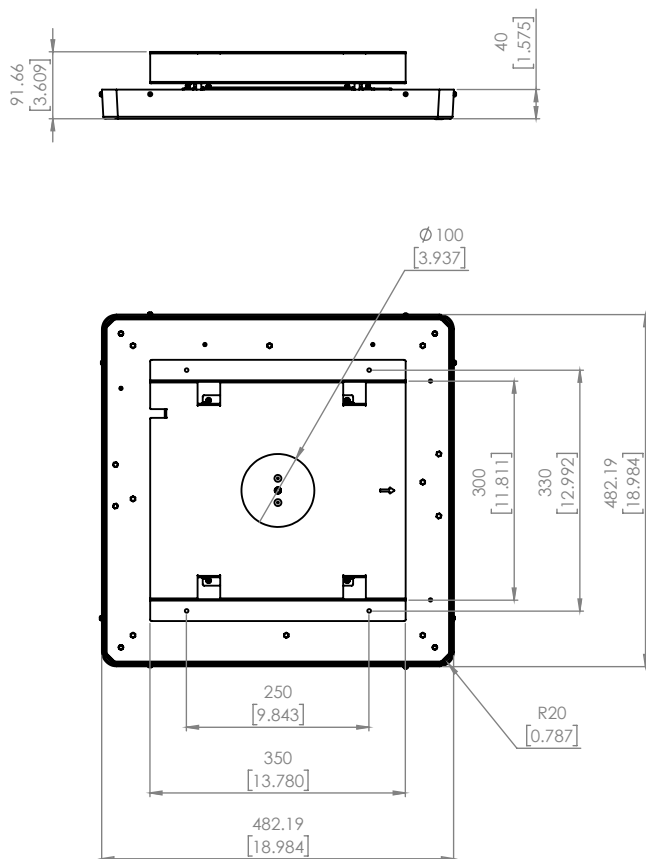
Units in millimeters and [inches]

Mechanical specifications of the model ceiling mount



Units in millimeters and [inches]

Mechanical specifications of the flush installation



Units in millimeters and [inches]

Product codes for ordering

ADFL	-	O	T	M	-	FF	-	MMM	
									O = overhead
		O							Overhead
									T = type
			M						Primary
			S						Secondary
									M = mount
				C					Ceiling mount (attached to the ceiling or suspended with a pole, pole not included)
				F					Flush installation
				S					Suspended with metallic wires (included)
									FF = frequency band
						LB			Lower Band (865,6 MHz - 867,6 MHz)
						UB			Upper Band (902,0 MHz - 928,0 Mhz)
									MMM = model
								350	Model number

Examples:

ADFL-OMS-UB-350:

- AdvanFlow
- Overhead
- Primary unit
- Suspension mount
- Upper band
- Model 350

ADFL-OSC-LB-350:

- AdvanFlow
- Overhead
- Secondary unit
- Ceiling mount
- Lower Band
- Model 350



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without notice.

