

TOWELRADS ULTRA LST ANTI-LIGATURE



Ultra LST Anti-Ligature is available with a choice of internal and external thermostatic valves. These valves are unidirectional and must always be fitted to the flow side of the emitter.

ACVK1
Lockable remote sensing with L/S



ACVK2
Lockable internal sensing with L/S



External valve options available



HARVK5
Fully dynamic thermostatic valve option with self-regulating adjustment



Available in White RAL 9010 as standard. Other RAL options available.

Manufactured from 2mm heavy gauge steel as standard the Anti Ligature casing incorporates a true anti ligature punched mesh design with subsequent internal wall and floor fixings, the casing is also Class 0 Fire Rated for added protection.

Our unique secure radiator cover incorporates an Anti-Ligature punched mesh design. Punching perforations into the cover ensures there are no weak spots or potential for service users to detach or remove the mesh to create a ligature point.

Ligature points in Hospitals have been highlighted as a major concern; with Towelrads Ultra LST Anti Ligature range you have no need to worry.

Due to inconsistencies in walls and floors, to make the cover completely anti-ligature, anti-pick mastic needs to be applied between the cover and wall/floor. This can cause complications in the future with cleaning and maintenance. We have designed their removable front panel, secured with fixings to your specification, ensuring that this does not become a problem.

Options:

- Square, 30 degree and 45 Degree Sloping Tops.
- Removable front access panel for cleaning/maintenance.
- External TRV head options available upon request.
- Small TRV access for internal TRV's.
- Bespoke Designs to fit your requirements.
- ACVK1 kit for tamper proof, lockable internal solution.
- Standard RAL9010 - other colours available.
- Anti microbial paint finish as standard.

FEATURES AND BENEFITS

- The Anti Ligature Ultra LST is available in 3 heights (500mm, 650mm and 800mm) and in eight lengths from 600mm to 2000mm wide, with the option of a plinth and a choice of 2 TRVs (external as standard).
- Internal Standard compact radiator EN442 certified including wall brackets
- Two stage installation process meaning emitters can be initially installed and covers delivered to site only when required for second fix, reducing any storage on site and eliminating risk of damage.
- Casings can be retro fitted to existing radiator installations if necessary.
- New wipe clean case design with no sharp edges
- 2mm Heavy Duty casing supplied as standard with Anti Microbial RAL9010 paint finish ensuring industry leading protection from bacteria and microbes
- Casing also available in a sloping top finish as opposed to flat for added security if required.
- Secure locking system to prevent unauthorised access to the internal TRV
- Surface temperature below 43°C at Dt50 80°C/60°C/20°C or 75°C/65°C/20°C
- Universal internal capillary TRV tamper proof capability
- One Single casing depth 160mm suits both T11 and T22 radiator types
- Outputs certified and CE marked to EN442, independently tested by EN442 accredited test laboratory
- High pressure capability 10 bar working pressure
- 5 year warranty on casing and 10 year warranty on the emitter.
- Available with ½" BSP x 15mm angled tamper proof internal capillary TRV or or external options available on request
- Vertical options also available on request
- All casings UK manufactured

ULTRA LST ANTI LIGATURE COLLECTION

T11

Casing Height	Casing Length	Emitter Height	Emitter Length	T50k watts	BTU T50
500	600	300	400	168	574
	800	300	600	253	863
	1000	300	800	337	1148
	1200	300	1000	421	1437
	1400	300	1200	506	1726
	1600	300	1400	590	2012
	1800	300	1600	674	2300
	2000	300	1800	758	2588
650	600	500	400	264	898
	800	500	600	395	1348
	1000	500	800	526	1794
	1200	500	1000	658	2246
	1400	500	1200	790	2696
	1600	500	1400	925	3157
	1800	500	1600	1060	3618
	2000	500	1800	1258	4293
800	600	600	400	327	1115
	800	600	600	491	1674
	1000	600	800	654	2232
	1200	600	1000	819	2795
	1400	600	1200	984	3356
	1600	600	1400	1147	3912
	1800	600	1600	1312	4479
	2000	600	1800	1475	5034

T22

Casing Height	Casing Length	Emitter Height	Emitter Length	T50k watts	BTU T50
500	600	300	400	311	1062
	800	300	600	468	1598
	1000	300	800	624	2129
	1200	300	1000	780	2669
	1400	300	1200	935	3191
	1600	300	1400	1090	3719
	1800	300	1600	1248	4260
650	600	500	400	437	1490
	800	500	600	651	2222
	1000	500	800	868	2961
	1200	500	1000	1087	3710
	1400	500	1200	1301	4438
	1600	500	1400	1521	5189
	1800	500	1600	1789	6105
800	600	600	400	550	1877
	800	600	600	827	2822
	1000	600	800	1103	3765
	1200	600	1000	1380	4708
	1400	600	1200	1655	5648
	1600	600	1400	1933	6596
	1800	600	1600	2208	7533
	2000	600	1800	2485	8479

LST ULTRA VERTICAL – 2MM CASE THICKNESS

Casing Height	Casing Depth	Casing Length	Emitter Height	Emitter Length	Tapping Centre	DT50k T20 watts	DT50k T21 watts	DT50k T22watts
2100	162	400	1800	300	240	730	868	1046
		500		400	340	973	1157	1395
		600		500	440	1216	1446	1743
		700		600	540	1460	1735	2092
		800		700	640	1703	2024	2441

Internal Sensing Valve Kit 15mm inc Lockshield	ACVK2
2m Capillary Valve Kit 15mm Inc Lockshield	ACVK1
Self regulating dynamic TRV set	HARVK5

TECHNICAL DIAGRAMS

Dimensional information

Features Emitter, Cover and Optional Plinth

Ultra LST 160mm depth case

Heat Emitter length = Case L- 200mm

