

HRR-HS-CT



GENERAL DESCRIPTION

Optima HRR-HS-CT series crash tested road blockers are designed especially for entrance points that have a threat of vehicle attack or for the ones that have high-security requirements. If there is a threat of vehicle attack in addition to the control of vehicle access in high-security applications, crash-tested road blockers are the unique solution and one of the most secure systems. Even though the attack is from high tonnage vehicles with high speeds, the vehicle can't keep on moving because of the damage given to front, wheels and the bottom of the vehicle.

Optima HRR-HS-CT road blockers are crash tested and certified PAS68: V/7500[N3]/80/90:0.0/6.15 (This means that M50-P1 "zero penetration" according to American standard which is equivalent to ASTM F2656-07 standard).

SYSTEM SPECIFICATIONS

MODELS	HRR-HS-CT
Raise and Lower Times	3-5 seconds Emergency Fast Operation (EFO) : 1.5 s , with charged accumulator
Road Blocker Height	1100mm
Road Blocker Width	2000-6000 mm
Power Failure	Manual hand pump
Electric motors drive	With contactor
Material and Color	St37 Steel and RAL 1028 yellow / RAL 9005 black
Motor Protection	Thermic breaker
Control Electronics	Optima PLC controller
Operating Pressure	60-120 bars
Keyboards	Desktop Keyboard
Coolers or heaters	Optional cooling or heating fan inside the hydraulic power unit
Environmental Conditions and Power Requirements	Between -15°C and + 65°C, 95% non-condensing humidity; 380V,3 phases, 50-60 Hz (or 220V/440V/etc., three phase, 50-60 Hz, optional by transformer)

ACCESSORIES

Red/green traffic lights with steel pole *	Uninterrupted power supply (UPS) *
Safety photocell *	DC motor and pump with dry batteries *
Stand and casing for safety photocell *	Wrong direction alarm *
Dual vehicle safety loop detector *	High speed alarm *
Scada or any control system: It is possible to change and check the position of bollard with touch screen control panel. *	Remote Control (Up / Down / Emergency Stop- Emergency Raise)
Optima Cloud. To control road blocker by mobile devices (ios-android), computer, etc. *	Heavy duty submersible drainage pump *
Led Flashing light in front of road blocker *	Hydraulic accumulator *
Protective construction (tubular) around drive unit *	Transformer to convert the power *



(Accessories marked with (*) are optional.)

MAIN BODY MEASUREMENTS

