

# SECURITERRE



**Honeywell**

# DUAL MODE SECURITY.

Designed to prevent static accumulation and discharge during tanker loading and off-loading, the Securiterre ensures correct bonding and grounding procedures before product transfer. The Securiterre continuously monitors the static earth path and carries out a unique “tanker verification” when connected. Only when these two conditions are within correct parameters the system becomes permissive, thereby eliminating the potential for operator error. Local indicator lights confirm the tanker/earth condition to the operator, whilst the internal voltage free switch contacts may be interlocked with tanker-loading systems, pumps, valves, alarms, etc. When not connected to the rest plug or tanker the circuit is grounded through a large resistance to reduce the hazard of sparking.



## TECHNICAL SPECIFICATIONS

ENCLOSURE	
Material	Aluminium, painted grey
Sealing	IP66 (NEMA 4x) weatherproof, fully O-ring sealed.
Mounting	Two lugs with 10 mm diameter holes.
Weight	6 kg
Cable entries	3x M20 x 1,5
Temperature range	-20 to +55 °C
POWER REQUIREMENTS	
Mains supply	110 - 240 Vac +/-10%, 50/60 Hz
Power consumption	< 10 VA
RELAY OUTPUTS	
Rest position relay	one, SPDT, 250V/5A non-inductive load
Auxiliary relay	two, DPDT, 250V/5A non-inductive load
INDICATION	
Signalling led's	red, yellow, green, good visibility to 45-degree angles
Brine magnet	forces manual release
Communications	RS-232 RS-422
APPROVALS	
ATEX	II 2 (1) / 1 G D EEx d [ia] ia IIC T6, IP6x T+85°C

## IDENTIFICATION CODE

Pos 1 Application										
U	General purpose									
Pos 2 Output										
A	With Signal Lights and 2 DPDT contacts									
Pos 3 Application										
B	Barrels and drums									
T	Truck (including brine magnet for manual override)									
W	Train wagon									
Pos 4										
*	Not used									
Pos 5, 6, 7 Instrument designation										
6	4	0								
			Pos 8 Cable options							
			C	Coiled cable max. extended length = 15 metres						
			Pos 9 Mains supply							
			A	110 - 240 Vac 50/60 Hz						
			Pos 10 Approval							
			A	ATEX						
U	A	T	*	6	4	0	C	A	A	Typical identification code
U	A		*	6	4	0		A	A	Your Identification Code

# UNIQUE SAFETY GROUNDING PROCEDURE

STATE	ACTION	LED ACTIVATED	STATUS SECURITERRE
1	Clamp in rest position	Yellow	Rest position
2	Clamp in hand	Red	Rest position
3	Clamp on truck. R/C in range (or magnet). Wait 1 to 2 seconds.	Yellow	Release for Loading
4	Activate relay, grounding in progress / Check on relay resistance	Green	Release for Loading
		Yellow	Ground circuit check.
5	Okay	Green	Authorise Loading
6	Clamp not on truck	Red	No proper ground

## INSTALLATIONS

### Securiterre

#### Basic grounding system

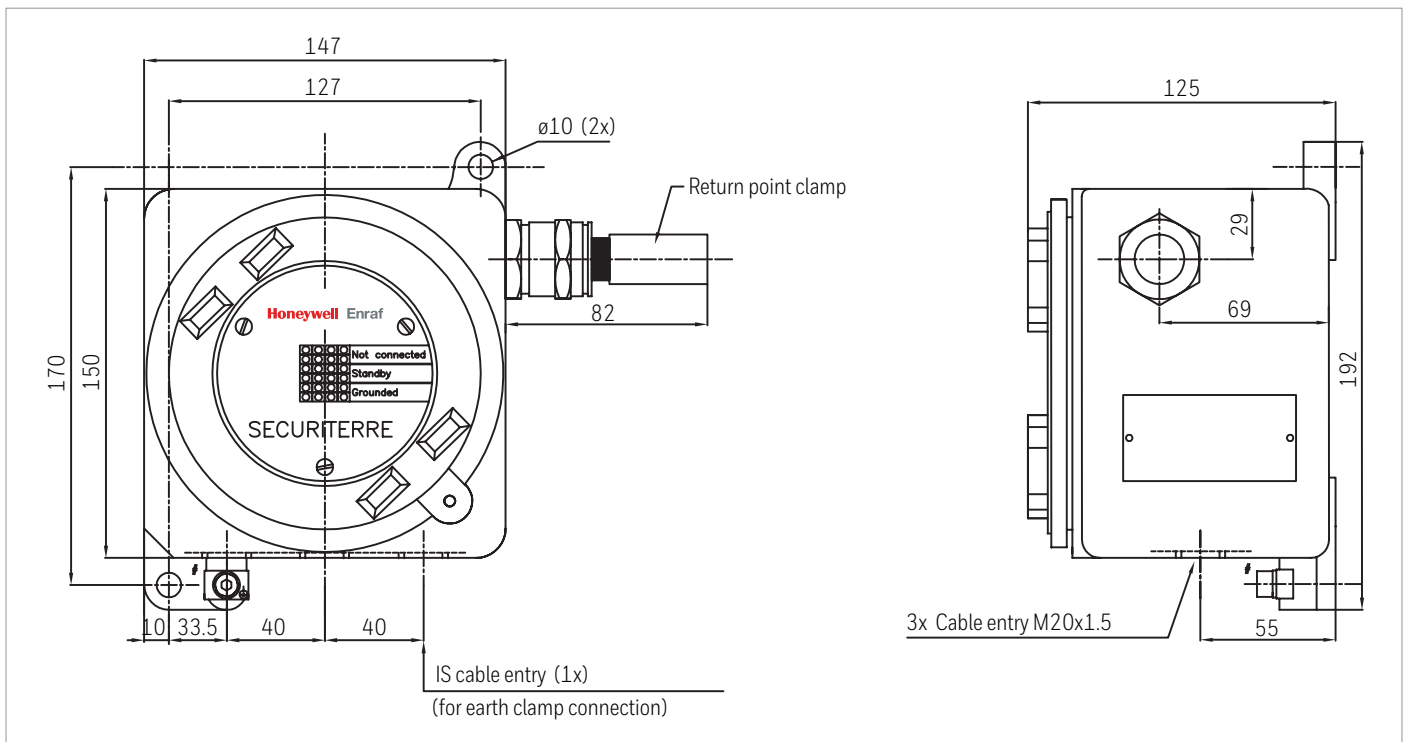
- Electronics in explosion-proof housing
- Bronze grounding clamp
- Coiled blue cable + cable gland and strain relief, extends to 15 meters

## APPLICATIONS

- Petrochemical industries
- Refineries
- Truck Loading terminals
- Rail Tanker terminals
- Gas terminals
- Aircraft refueling systems
- Harbour Bunker facilities
- Chemical industries



## DIMENSIONAL DRAWING



**For More Information**

To learn more about Honeywell Enraf's solutions, contact your Honeywell Enraf account manager or visit visit [www.process.honeywell.com](http://www.process.honeywell.com)

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MAKE IT**

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