

## WinterGard H921 120-V Ground-Fault-Protected Junction Box Kit

Outdoor-rated ground-fault protection for WinterGard heating cables

The WinterGard H921 Kit simplifies the installation of WinterGard 120-V electric heating cables for freeze protection of pipes or for roof and gutter de-icing.

The H921 must be used with the H900 Power Connection Kit. Together they provide convenient hardwire connection and ground-fault protection as required by the 1996 National Electrical Code. Rated 20 A, 120 V, the WinterGard H921 ground-fault-protected junction box is a NEMA 3 (raintight) enclosure. Its features include test and reset buttons, automatic reset in the event of a power interruption, and open neutral protection. Its signal light indicates that the system is powered.

### De-ices roofs, gutters, and downspouts

Use with WinterGard Wet H612 heating cable on roofs, gutters, and downspouts to prevent ice and snow buildup problems.

### Protects pipes from freezing

Use with 120-V WinterGard heating cables to protect metal and plastic pipes in indoor or weatherproofed outdoor unheated areas.

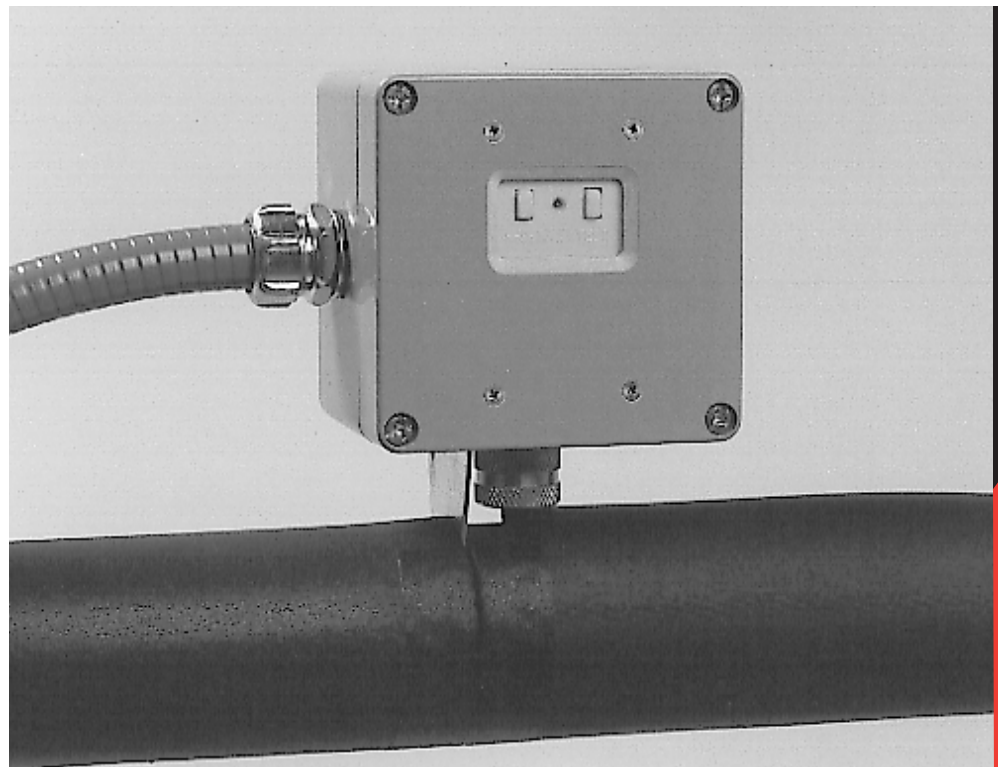
Use with WinterGard Wet H612 heating cable to prevent freezing of outdoor pipes and faucets.



718K Pipe Heating  
Cable or 877Z  
De-icing and Snow  
Melting Equipment



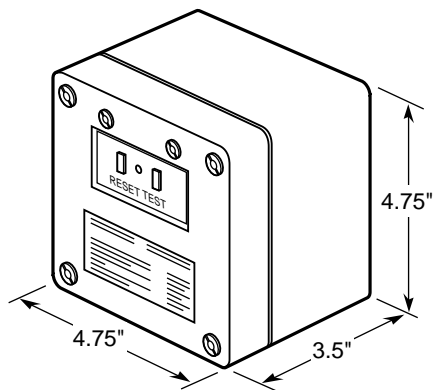
- Simplified installation
- Convenient operation
- Easy visual inspection



# WinterGard H921 120-V Ground-Fault-Protected Junction Box

## Description

The H921 is a 120-Vac ground-fault equipment protection device. It contains an equipment leakage circuit interrupter (ELCI) that has a 27-mA trip level. The H921 is for use in conjunction with the H900 Power Connection Kit and the H311, H611, or H612 self-regulating heating cables. The H921 is for use in ordinary areas and is rated NEMA 3 (raintight). The kit includes materials for one connection.



## Technical specifications

The 27-mA-rated ELCI will trip whenever the fault current to ground is more than 27 mA. The device provides ground-fault protection of equipment only. It does not protect people against the hazards of electrical shock. For personnel shock protection, use a 5-mA ground-fault circuit interrupter (GFCI).

The ELCI in the H921 kit will minimize the risk of fire from sustained electrical arcing if the heating cable is improperly installed or damaged during use. The fault currents produced by this arcing may be too small to be stopped by conventional circuit breakers. The ELCI in the H921 kit, however, will sense these fault currents and shut off the power.

### Note:

The H921 requires a properly installed electrical ground.

## WinterGard heating cable specifications

	H311	H611	H612 (on pipes)	H612 (for drains, roofs, and gutters)
Service voltage	120	120	120	120
Maximum circuit length at 40°F start-up (ft)	250	200	200	150
Maximum circuit length at 0°F start-up (ft)	200	160	160	125
Circuit breaker rating (A)	20	20	20	20
Thermal output at 40°F (W/ft)	3	6	6	8
Weight per 100 ft (lb)	6	6	9	9
Minimum installation temperature (°F)	0	0	0	0
Maximum exposure temperature (°F)	150	150	150	150
Environment	Use in ordinary (nonhazardous) areas. Do not expose to chemicals.			

For complete design and installation information, consult the HeatSystems Application and Design Guide (H53585) or call Raychem at (800) 542-8936.

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