



INFRARED EXTENDER SYSTEMS

featuring **NEW** NILES IR SENSORS

NEW HIGH FIDELITY WIDEBAND DESIGN
WITH UNIVERSAL NOISE SUPPRESSION



TS120
Tabletop IR Sensor
FG01581

CS120
Ceiling-Mount IR Sensor
FG01583



MS220
Surface-Mount
IR MicroSensor®
FG01577



WS120
Wall-Mount IR Sensor
FG01582



MS120
Flush-Mount IR MicroSensor®
FG01580

Backwards compatible
with Niles IR systems



THE INDUSTRY'S FIRST HIGH-FIDELITY WIDEBAND IR EXTENDER SYSTEMS

Niles introduces the most advanced line of IR extender systems on the market today. Our IR Sensors have been redesigned to make them compatible with a new generation of IR code formats found on many new high-definition, multi-media source devices. The sensors feature a high fidelity wideband amplifier that can accurately pass these IR code formats, including the recently introduced Philips **RCMM codes**.

In addition, a patent-pending **Universal Noise Suppression** design effectively eliminates IR

interference from plasmas, LCDs, and CFL lighting while maintaining signal integrity. This two-stage technology combines an optical noise filter with a "smart" electronic circuit to provide consistent, reliable control.

Best of all, these advanced technologies are found in each new Niles IR Sensor. They are the single solution for fast, predictable installations in any environment, without the added cost of carrying specialized inventory.

SPECIFICATIONS SHEET

Hide your audio/video components in a cabinet, closet, or even another room and maintain full control using your wireless IR remote.



A Niles Infrared Extender System consists of:

- 1 Infrared Sensor** receives the IR commands from a remote control and routes the commands to the Infrared Main System Unit.
- 2 Infrared Main System Unit** distributes the commands to the Infrared Flashers.
- 3 Infrared Flashers** transmit the IR commands to the audio/video components.

IR SENSOR



Surface-Mount IR MicroSensor®

MS220

Color	Stock Number
Black	FG01577
Silver	FG01578
White	FG01579

Features

- Receiving range is typically 20' - 35'
- Bi-color visible feedback LED
- Includes 10' of connecting wire
- Packaged for retail display
- Secure adhesive backing

Specifications

- Dimensions: 2" wide x 11/16" high x 1/2" deep (50.8 mm wide x 17.4 mm high x 12.7 mm deep)

Warranty: Two-year limited

Shipping weight: 1 lb. (.5 Kg)



Flush-Mount IR MicroSensor®

MS120

Stock Number
FG01580

includes black and white bezels



Actual size of sensor

Features

- Receiving range is typically 20' - 35'
- Includes 10' of connecting wire
- Packaged for retail display
- Designed for discrete mounting
- Includes black and white bezels

Specifications

- Dimensions: Lens Bezel: 1/2" diameter x 4-1/64" high (12.7 mm diameter x 16.3 mm high)
Overall: 1/2" diameter x 2-7/8" high (12.7 mm diameter x 73 mm high)
- Hole Cutout: 1/2" (1.27 cm) diameter

Warranty: Two-year limited

Shipping weight: 1 lb. (.5 Kg)



Wall-Mount IR Sensor

WS120

Color	Stock Number
White	FG01582

Features

- Receiving range is typically 20' - 35'
- Bi-color visible feedback LED
- Packaged for retail display with white Decora® plate
- Removable Decora® snap-in color insert
- Fits into a single gang box

Specifications:

- Dimensions: 2-3/4" wide x 4-1/2" high x 1-1/4" deep (7 cm wide x 11.4 cm high x 3 cm deep)

Warranty: Two-year limited

Shipping weight: 1 lb. (.5 Kg)

IR SENSOR
Ceiling-Mount IR Sensor

CS120
Stock Number

FG01583

Features

- Receiving range is typically 20' - 35'
- Includes 10' of connecting wire
- Packaged for retail display
- Unique pivoting ceiling-mount design

Specifications:

- Dimensions: Front Bezel: 3/4" diameter x 1/4" high (19 mm diameter x 6.4 mm high)
Lens Bezel: 1/2" diameter x 4-1/64" high (12.7 mm diameter x 16.3 mm high)
- Hole Cutout: 11/16" (1.75 cm) diameter

Warranty: Two-year limited

Shipping weight: 1 lb. (.5 Kg)

Tabletop IR Sensor

TS120
Stock Number

FG01581

Features

- Receiving range is typically 20' - 35'
- Bi-color visible feedback LED
- Packaged for retail display
- Small footprint

Specifications

- Dimensions: 2-7/8" wide x 1-1/16" high x 3-1/8" deep (73 mm wide x 27 mm high x 79.4 mm deep)

Warranty: Two-year limited

Shipping weight: 1 lb. (.5 Kg)

INFRARED EXTENDER SYSTEMS
**Remote Control Anywhere!®
Kit for Home Theater
Application**

RCA-HT2
Color Stock Number

Black FG01586


Features

- One MS220 Surface-Mount IR MicroSensor in black
- One MSU250 IR Main System Unit
- Five MF1VF MicroFlashers® with Visible Feedback
- 50' of CAT-5 cable
- UL-listed regulated in-line power supply with universal voltage
- Packaged for retail display

Specifications

- Box Dimensions: 13" wide x 7-7/8" high x 3-1/2" deep (33 cm wide x 20 cm high x 8.9 cm deep)

Warranty: Two-year limited

Shipping weight: 5 lbs. (2.5 Kg)

**Remote Control Anywhere!®
Kit with Surface Mount
Sensor**

RCA-SM2
Color Stock Number

Black FG01585


Features

- One MS220 Surface-Mount IR MicroSensor
- One MSU140 IR Main System Unit
- Three MF1 MicroFlashers®
- 50' of CAT-5 cable
- UL-listed regulated in-line power supply with universal voltage
- Packaged for retail display

Specifications:

- Box Dimensions: 13" wide x 7-7/8" high x 3-1/2" deep (33 cm wide x 20 cm high x 8.9 cm deep)

Warranty: Two-year limited

Shipping weight: 5 lbs. (2.5 Kg)

INFRARED EXTENDER SYSTEMS CONT.
**Remote Control Anywhere!®
Kit with Tabletop Sensor®**
RCA-TT2


Color	Stock Number
Black	FG01584

Features

- One TS120 Tabletop IR Sensor
- One MSU140 IR Main System Unit
- Three MF1 MicroFlashers®
- 50' of CAT-5 cable
- UL-listed regulated in-line power supply with universal voltage
- Packaged for retail display

Specifications

- Box Dimensions: 13" wide x 7-7/8" high x 3-1/2" deep
(33 cm wide x 20 cm high x 8.9 cm deep)

Warranty: Two-year limited

Shipping weight: 5 lbs. (2.5 Kg)

INFRARED EXTENDER SYSTEM QUICK REFERENCE GUIDE

Stock No.	Part Description	Unit	Master Carton
IR SENSORS			
NEW! FG01577	MS220 Surface-Mount IR MicroSensor® (Black)	ea	6 Individual
NEW! FG01579	MS220 Surface-Mount IR MicroSensor® (White)	ea	6 Individual
NEW! FG01578	MS220 Surface-Mount IR MicroSensor® (Silver)	ea	6 Individual
NEW! FG01580	MS120 Flush-Mount IR MicroSensor®	ea	6 Individual
NEW! FG01582	WS120R Wall-Mount IR Sensor (White)	ea	6 Individual
NEW! FG01583	CS120 Ceiling-Mount IR Sensor	ea	6 Individual
NEW! FG01581	TS120 Tabletop IR Sensor	ea	6 Individual
IR MAIN SYSTEM UNITS			
FG01002	MSU140 IR Repeater System for Single Zone Application	ea	6 Individual
FG01003	MSU250 IR Repeater System for Single Zone Application	ea	6 Individual
FG01004	MSU480 IR Repeater System for Single Zone Application	ea	6 Individual
FG01005	MSU440Z IR Repeater System for MultiZone Application	ea	6 Individual
FG01018	IRH610 IR Sensor Expansion Hub	ea	6 Individual
FG01172	PAR4 Simplified Infrared Router	ea	6 Individual
IR FLASHERS			
FG01023	IRB1 High-Output IR Flasher	ea	6 Individual
FG01019	MF1 IR MicroFlasher®	ea	6 Individual
FG01066	MF1U Bulk IR MicroFlasher® – (Contains 24 pcs)	ea	N/A
FG01020	MF1VF IR MicroFlasher® with Visible Feedback	ea	6 Individual
FG01161	MF1VF Bulk IR MicroFlasher® with Visible Feedback – (Contains 24 pcs)	ea	N/A
FG01021	MF2 Dual IR MicroFlasher®	ea	6 Individual
FG01022	MF2VF Dual IR MicroFlasher® with Visible Feedback	ea	6 Individual
INFRARED EXTENDER SYSTEMS			
NEW! FG01586	RCA-HT2 Remote Control Anywhere!® Kit for Home Theater Application with Surface-Mount IR MicroSensor®	ea	4 Individual
NEW! FG01585	RCA-SM2 Remote Control Anywhere!® Kit with Surface-Mount IR MicroSensor®	ea	4 Individual
NEW! FG01584	RCA-TT2 Remote Control Anywhere!® Kit with Tabletop IR Sensor	ea	4 Individual