

Outline drawings



OUTLINE DRAWINGS15-Nov.-04MODELLGH-35RX4-E(50Hz)MITSUBISHI ELECTRIC CORPORATIONNUMBER $\mathbb{ND}104355\mathbb{A}$ 2/5



M1 :Motor for exhaust fan M2 :Motor for supply fan C :Capacitor GM :Motor for Bypass movement LS :Microswitch TH1:Thermistor for outside air TH2:Thermistor for return air SW1:Switch(Main/sub_change) SW2, 5:Switch (Function selection) SW3:High/E.high select switch (Fxhaust fan) SW4:High/E.high select switch (Supply fan) TM1:Terminal block (Power supply) TM2:Terminal block (Transmission cable and external control input) TM3:Terminal block(Monitor output) %1TB5:Terminal block (M-NET Transmission cable) S1, S2:Connector (Power supply) TR:Control circuit transformer X7 :Relay contact (For operation monitor output) X8 :Relay contact(For malfunction monitor output) CN1:Connector (Transformer primary) CN2:Connector (Transformer secondary) CN5:Connector (Thermistor) CN6:Connector (Microswitch) CN7:Connector (Motor for Bypass operation) CN8-1:Tab connector(Fan motor) CN8-2:Tab connector(Fan motor) CN9:Connector(Fan motor) CN10:Connector (Fan motor) CN16:Connector (High/Low switch)

■Symbol explanation

CN32:Connector (Remote control selection) ※1SA1:Address setting rotary switch (10 digit)

MARK

♥:Indicates terminal block.
 ♥:Cconnector.

Board insertion connector or fastening connector of control board.

****Specifications may be subject to change without notice.**

WIRING DIAGRAM	DATE	ТҮРЕ	CEILING RECESSED	LOSSNAY
	15-Nov04	MODEL	LGH-35RX₄-E	(50Hz)
MITSUBISHI ELECTRIC CORPORATION		NUMBER	ND104355A	3⁄5

Lossnay model selection advices

1.Operating environment For effective operating environment, refer	to corresponding	model's specif	ication sheet of indoor and out	door condition
2.Do not use under high temperature and humi Condensation will occur and water will gat such as warm swimming pool, bathroom, gree	her inside the Lo	ssnay cores und lace.	er high temperature and humidit	y condition,
3.Condition of outdoor, indoor and return ai Avoid using Lossnay under air condition wi presticide, corrosive gas, etc.	r th acid, alkalis,	organic solven	t , oil mist, paint, or harmful	gas as
4. Insulation failure caused by brine and hot Rust, fire or malfunction may occur. Installing Brine Damage Resistant Filters		r duct if the L	ossnay operates in the briny ai	٢.
5.Sucking of mist or outdoor air during off- Outdoor air or mist may flow through the d To prevent sucking of outdoor air or fog,	uct into your roo	m when Lossnay s advised to be	is in off-mode at windy and fog installed.	ıgy area.
6.Entry of insects Insect Resistant Part(optional parts)is re	commended to inst	all if the air	inlet is at where insects ofter	ı gather.
7.Usage of M-NET. When solely using Lossnay units, power sup Number of power supply units or the transm	ply unit is requi ission boosters s	red to connect f hould correspon	to centralized control. d with the connected Lossnay ur	iits.
Caution for installation				
1.Do not after the unit on site as it may ca	use malfunction.			
2.Leaving sufficient space for maintenance p	urpose.			
3.The location of the air inlet Take care in locating air inlet to prevent from rubbish disposal, etc.	sucking of dirty	air or disgust	ing smell from exhaust gas of f	actory, air
4.Heat insulation foam for duct				
Take care as below to prevent the contaminat @Must put insulation foam for both of OA an		condensation.		
⊘It is possible to occur condensation on SA to put insulation foam indoor side ducts.	and RA ducts by	some air conditi	ion above ceiling .In this case	, make sure
©Outdoor air may come into unit during not outdoor wind.In this case,should be used e		the pressure di	ifference between indoor and ou	tdoor or the
①It is possible to occur the condensation a humidity condition above ceiling, even if supplemental insulation foam.				
©In the case that air condition around Loss heat insulation foam on indoor side duct t In winter, it is possible to cool indoor s	o prevent heat re	covery decreased	l by warming indoor duct.	there are
		*Specif	ications may be subject to change	without notice.
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SAFTY NOTES				LUJJINA (LUJ

 DATE
 TYPE
 CEILING RECESSED
 LOSSNAY

 15-Nov.-04
 MODEL
 LGH-35RX4-E
 (50Hz)

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5. Prevent entry of rainwater into Lossnay unit Using deep-type hood or 'Weather cover' instead of using grill or round-shape hood at OA inlet & EA outlet. It can prevent rainwater pouring directly into Lossnay unit. Ducts to outdoor(OA and EA)should tilt downward by not lower than 1/30. 6. Caution for the unit with deodorizer It is possible that deodorized function is not sufficient in the case that ceiling position is high over 3m. or length between odor development and unit position is long. Make deodorizing before spreading odor, making air flow odor development to unit with air conditioner or subsidial fan. 7. Electrical Work A ground fault circuit breaker must be installed at the origins of mains power supply. Use metal switch box, to support control switch or remote control switch. Must connect ground wiring. 8. Pre-Heat unit •Make sure to install Pre-Heat unit where Outdoor air temperature is below -10 degree C, or condensation is expected to form. If condensation occurs, water may fall in drops to the room or ceiling. • Pre-Heat unit must be installed from Lossnay unit as far as possible, because of fire prevention. Pre-Heat unit capacity should be less than 1.0kW. •Install the relay which have raiting less than Pre-Heat unit input rating, between Pra-Heate and Lossnay Pre-Heater output terminal. •Refer to installation manual for further wiring information. •Make inquire with competent authorities in your region about availability of using Pre-Heat unit and follow an instruction by them before installing the unit. Caution to use Lossnay unit Standard tipe Lossnay unit should be controlled by PCB, and should not run "bypass ventilation" when heat mode is in operation in winter. Otherwise, condensation will occur on unit casing and contaminate ceiling plate. Bypass mode setting will automatically change to Lossnay mode when it is under PCB control while outdoor air is below 8 degree C. But, please mind that remort controller will not show such changes. Maintenance Refer to each model's operation instructions for the suggested maintenance period and methods. General indication of lifetime of the main parts is as below. Time below is unrelated to guaranteed period for service. And parts exchange period varies with usage condition. around 10 years with maintenance as stated periods. Lossnay cores Air Filters around 5 years with maintenance as stated periods 3000 hours High efficiency filters :30000 hours Motor *Specifications may be subject to change without notice. ΤΥΡΕ DATE CEILING RECESSED LOSSNAY SAFTY NOTES GH-35RX4-E MODEL 15-Nov.-04 (50Hz) 355 5/5 NUMBER MITSUBISHI ELECTRIC CORPORATION A